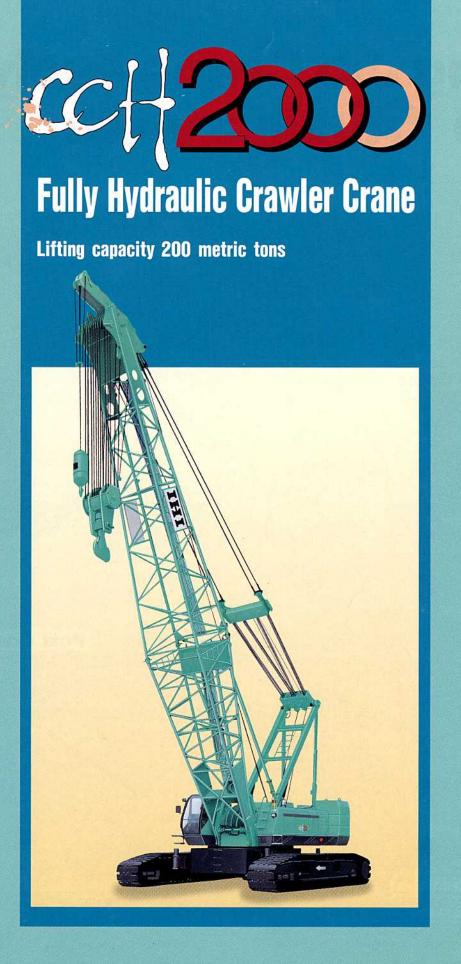
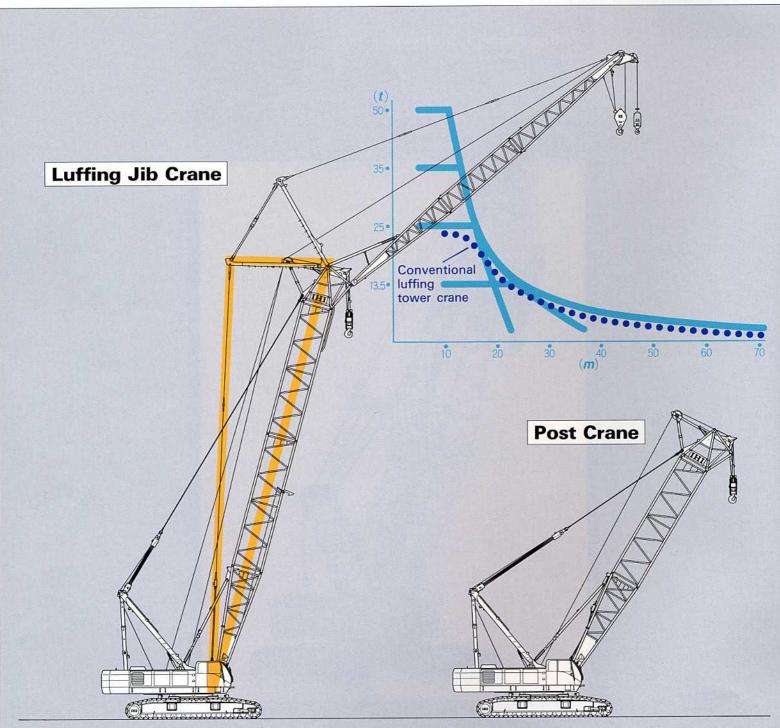
IHI



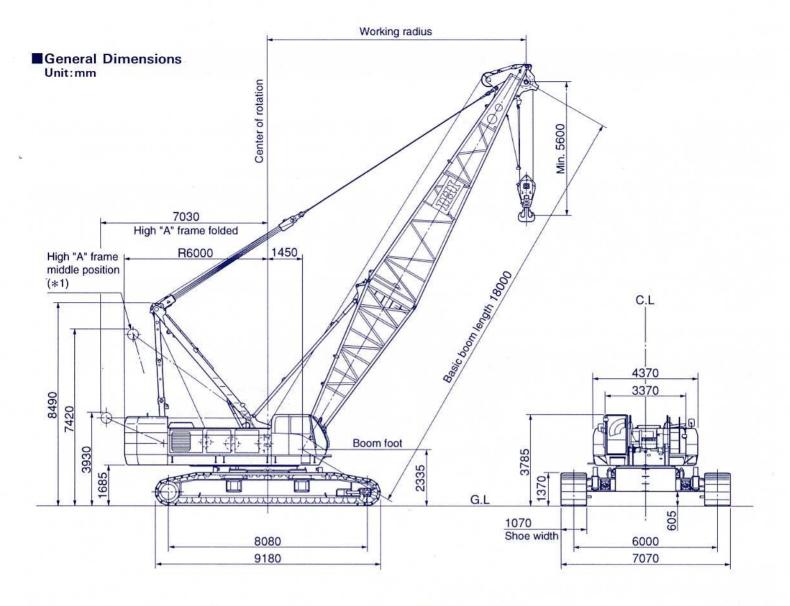
Luffing Jib Crane evolved to equip "Auxiliary Jib"



Selections are aveilable from:

- 1)50-ton lifting with Post
- 2)25-ton lifting with Luffing Jib
- 3)13.5-ton lifting with Auxiliary Jib Simultaneous lifting by Post and Auxiliary Jib is not permitted.

Middle Equalizer for Luffing Jib lifting is tentatively stowed on inner post when the Luffing Jib is dismantled.



1.7min ⁻¹ (1.7rpm) [Constant swing speed 0.6min ⁻¹ (0.6rpm)optional]
*0.9/0.6km/h
30%(16.7°)
HINO MOTOR
K13C-TJ (with turbo) diesel engine
4-cycle, water cooled, straight 6-cylinder, direct injection
235kw/2000min ⁻¹ (320PS/2000rpm)
12.882 ℓ
450 €
DC12V×150AH×2pcs.
t left axle, also used for hoisting tower jib)
Variable displacement axial piston type
Two-stage planetary gear
Single drum driven independently by hydraulic motor, lebus grooved drum
Internal expanding band type
External contracting band type
Ratchet lock
left axle)
Variable displacement axial piston type
Two-stage planetary gear
Single drum driven independently by hydraulic motor, lebus grooved drum
Internal expanding band type
External contracting band type
Ratchet lock
r right axle, also used for hoisting tower post)
Variable displacement axial piston type
Three-stage planetary gear
Dual drums driven independently by hydraulic motor, lebus grooved drum
Wet type multi-disk
Ratchet lock

★The travel speed changes depending on the load.

■Standard equipment

Instrument for crane Engine tacho meter (Hour meter) Hydraulic oil pressure gauge (for control circuit) Fuel level gauge Engine coolant thermo indicator (indicated bar graph in OK monitor)

· Lighting for crane 2-Work light (24v×80w) 1-Room light (24v×10w)

· Safety devices

Automatic stop for hook overwinding Automatic stop for boom overwinding 2nd boom stop device (non-resetable) Telescopic boom limit stop

Swing lock Main and auxiliary drum lock Boom hoist drum lock Safety valve for hydraulic circuit Clutch engage pin on main and auxiliary winch Counter balance valve

Control lever locking device Traction lever lock Automatic braking system

Engine start voice alarm

Other standard accessories Front windshield wipers (intermittent, w/washer)

Roof wipers (intermittent, w/washer) Sunvisor

Sun shade Storage pouch

Tool box Reclining operator's seat

Floor mat Steps for operator's cab

Radio

Cigarette lighter

Ash tray

Large rear view mirrors (right/left) Signal horn Electric fuel filling pump Swing warning flasher & alarm

Travel warning alarm High "A" frame erecting device

Low-noise cab Bronze tinted glass

Wire mesh boom workway (for inner boom)

Foot rest

Electric type engine throttle Foot pedal-type engine throttle

Ultra low-speed control (w/selector swith for coupling with engine speed or independent) Hydraulic assist brake for main and aux.winch

Winch mode selector for main and aux. winch

Rope guide roller on outer boom

Plug socket Loud speaker

Dial-type winch speed adjustment device (main, aux. and boom) Pump power shift device

Emergency engine stop switches

Foot pin cylinder device Fulcrum plate for erecting attachment (also used as climbing step to operator's

■Optional equipment

Moment limiter(* 2) Optional boom canthus setting device (included in moment limiter) Automatic stop system (activated when near the marginal angle or when load is 90%) Built-in type air conditioner Large-sized storage bin

(*1) High "A" frame middle position when mast is in use.

(*2) Optional depend on region

■Specifications

Max. Lifting ca	apacity×working radius	200metric tons×5.0m		
Max. boom le		90m		
Max. boom le	ngth (main+jib)	103m(72m boom+31m jib)		
	Main drum hoist / lowering	*110~55/55~28m/min		
Rope speed	Aux. drum hoist / lowering	*110~55/55~28m/min		
	Boom drum hoist / lowering	*32~14m/min×2		
	Hook block capacity × Part line	200ton×16		
Part line	Hook block capacity × Part line	13.5ton×1		
	Boom drum hoist	18		
Counterweigh	t	78ton		
Weight for bo		16ton		
	g weight (with 18m boom)	193ton		
	nd bearing pressure	103kPa(1.05kgf/cm ²)		

^{*}The rope speed changes depending on the load.

■Combination of Boom and Jib (●:Available combination)

Jib length	Boom length (m)												
(m)	18	21	24	27	30	33	36	39	42	45	48	51	54
Auxiliary	•	•	•	•	•		•				•	•	•
13										•		•	•
19										•		•	•
25										•	•		•
31										•	•	•	•

Jib length	Boom length (m)											
(m)	57	60	63	66	69	72	75	78	81	84	87	90
Auxiliary	•	•	•	•	•	•		0				
13	0	•		•	•	•						
19		•		•		•						
25	•	•	•	•	•	•						
31				0	•						_	

■Crane boom composition

The following tables show standard combinations for each boom and jib length.

Boom standard combination

Boom length (m) Combination	18	21	24	27	30	33	36	39	42	45	48	51	54
7.5m inner	1	1	1	1	1	1	1	1	1	1	1	1	1
3.0m insert	_	1	2	1	2	1	1	2	1	1	2	1	1
6.0m insert	_	-	-	1	1	2	1	1	2	1	1	2	1
9.0m insert	-	-	-	_	-		1	1	1	2	2	2	3
10.5m outer	1	1	1	1	-1"	1	1	1	1	1	1	1	1

Boom length (m) Combination	57	60	63	66	69	72	75	78	81	84	87	90
7.5m inner	1	1	1	1	1	1	1	1	1	1	1	1
3.0m insert	2	1	1	2	1	1	2	1	1	2	1	1
6.0m insert	1	2	1	1	2	1	1	2	1	1	2	1
9.0m insert	3	3	4	4	4	5	5	5	6	6	6	7
10.5m outer	1	1	1	1	1	1	1	1	1	1	1	1

Note: Installation of mast is required for boom length exceeding 69m.

• Jib standard combination

Jib length (m)	13	19	25	31
6.5m inner	1	1	1	1
6.0m insert	-	1	2	3
6.5m outer	1	1	1	1

^{*}Contact IHI if other combinations required.

Wire Rope

Place of use	Rope diameter (mm)	Guaranteed strength(ton)	Rope type
Main drum	φ28	70.2	P·S(19)+39×P.7
Boom hoist	φ22	36.3	IWRC6×P·WS(31)
Boom suspension	ø34	104.0	IWRC6×P·WS(36)
Aux. drum	φ28	70.2	P·S(19)+39×P.7
Jib suspension	φ28	59.7	IWRC6×Fi(29)
Jib strut suspension	φ31.5	74.9	IWRC6×Fi(29)

Note: Wire rope length to be determined according to the boom length.

