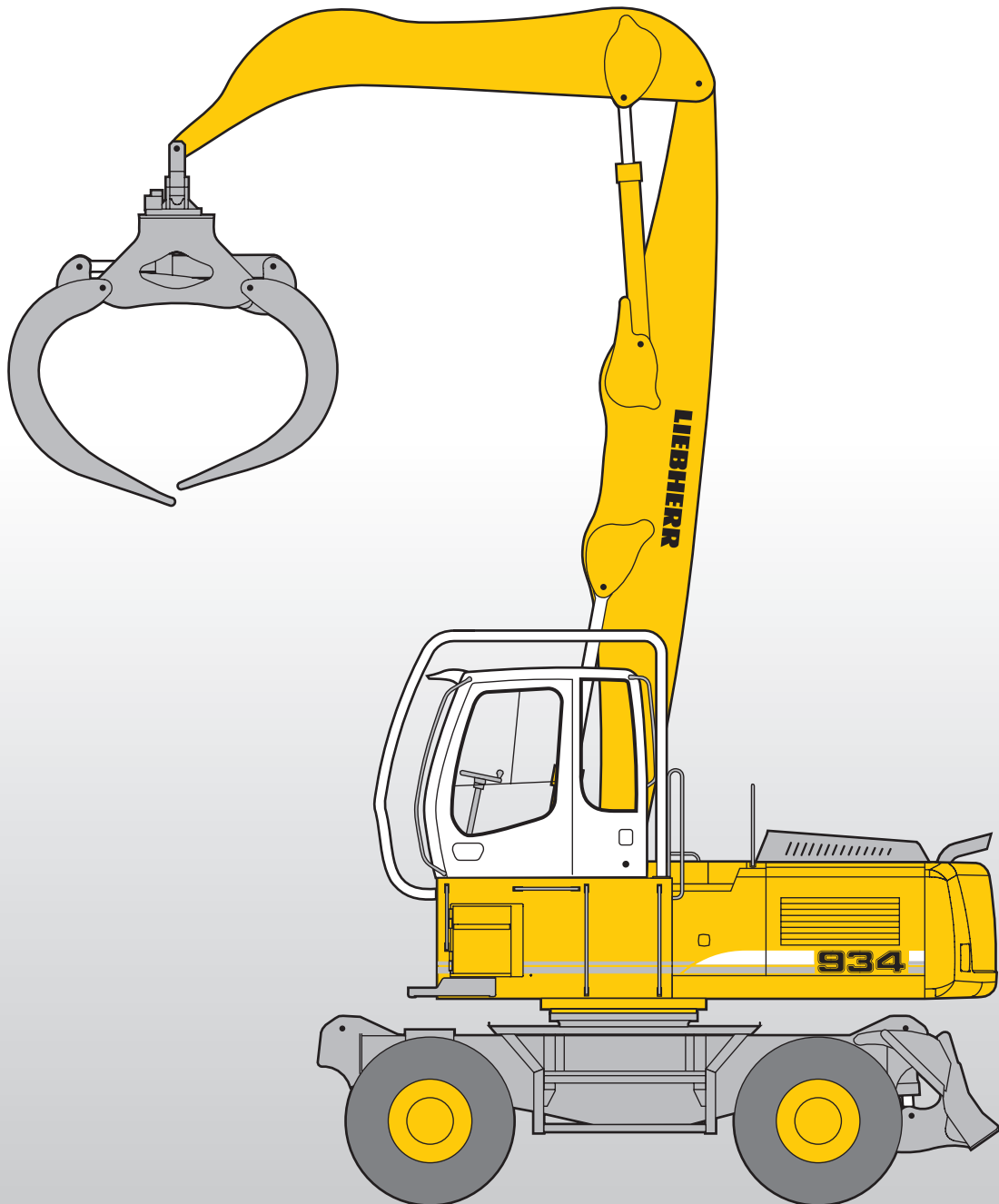


# Log Loader

# A 934 C HD

Litronic®

Operating Weight: 36,450 – 37,650 kg  
Engine Output: 150 kW / 204 HP



# LIEBHERR

# Technical Data



## Engine

Rating per ISO 9249	150 kW (204 HP) at 1800 RPM
Model	Liebherr D 934 L according to level IIIA/Tier 3
Type	4 cylinder in-line
Bore/Stroke	122/150 mm
Displacement	7,0 l
Engine operation	4-stroke diesel unit pump system turbo-charged and after-cooled reduced emissions
Cooling	water-cooled and integrated motor oil cooler
Air cleaner	dry-type air cleaner with pre-cleaner, primary and safety elements, automatic dust discharge
Fuel tank	580 l
Standard	sensor controlled engine idling
Electrical system	
Voltage	24 V
Batteries	2 x 170 Ah/12 V
Starter	24 V/6,6 kW
Alternator	three phase current 28 V/80 A



## Hydraulic System

Hydraulic pump for attachment and travel drive	two Liebherr variable flow, swash plate pumps
Max. flow	2 x 245 l/min.
Max. pressure	350 bar
Pump regulation	electro-hydraulic with electronic engine speed sensing regulation, pressure compensation, flow compensation, automatic oil flow optimizer
Hydraulic pump for swing drive	reversible, variable flow, swash plate pump, closed-loop circuit
Max. flow	148 l/min.
Max. pressure	380 bar
Hydraulic tank	350 l
Hydraulic system	590 l
Hydraulic oil filter	2 full flow filters in return line with integrated fine filter area (5 µm)
Hydraulic oil cooler	compact cooler, consisting of a water cooler, sandwiched with hydraulic oil cooler, fuel cooler and after-cooler cores and hydrostatically driven fan
MODE selection	adjustment of machine performance and the hydraulics via a mode selector to match application
ECO	for especially economical and environmentally friendly operation
POWER	for maximum digging power and heavy duty jobs
LIFT	for lifting
FINE	for precision work and lifting through very sensitive movements
RPM adjustment	stepless adjustment of engine output via rpm at each selected mode
Tool Control (Option)	ten preadjustable pump flows and pressures for add on tools



## Hydraulic Controls

Power distribution	via control valves in single block with integrated safety valves
Flow summation	to boom and stick
Closed-loop circuit	for uppercarriage swing drive
Servo circuit	
Attachment and swing	proportional via joystick levers
Travel	proportional via foot pedal
Additional functions	via foot pedals or joystick push buttons



## Swing Drive

Drive by	Liebherr swash plate motor with integrated brake valves
Transmission	Liebherr compact planetary reduction gear
Swing ring	Liebherr, sealed single race ball bearing swing ring, internal teeth
Swing speed	0–8,2 RPM stepless
Swing torque	84 kNm
Holding brake	wet multi-disc (spring applied, pressure released), pedal controlled positioning brake



## Operator's Cab

Cab	resiliently mounted, sound insulated, tinted windows, front window stores overhead, door with sliding window
Operator's seat	fully adjustable, shockabsorbing suspension, adjustable to operator's weight and size, 6-way adjustable Liebherr seat
Joysticks	integrated into adjustable consoles
Monitoring	menu driven query of current operating conditions via the LCD display. Automatic monitoring, display, warning (acoustical and optical signal) and saving machine data, for example, engine overheating, low engine oil pressure or low hydraulic oil level
Air conditioning	standard air conditioning, combined cooler/heater, additional dust filter in fresh air/recirculated
Noise emission	
ISO 6396	$L_{pA}$ (inside cab) = 74 dB(A)
2000/14/EC	$L_{WA}$ (surround noise) = 104 dB(A)



## Undercarriage

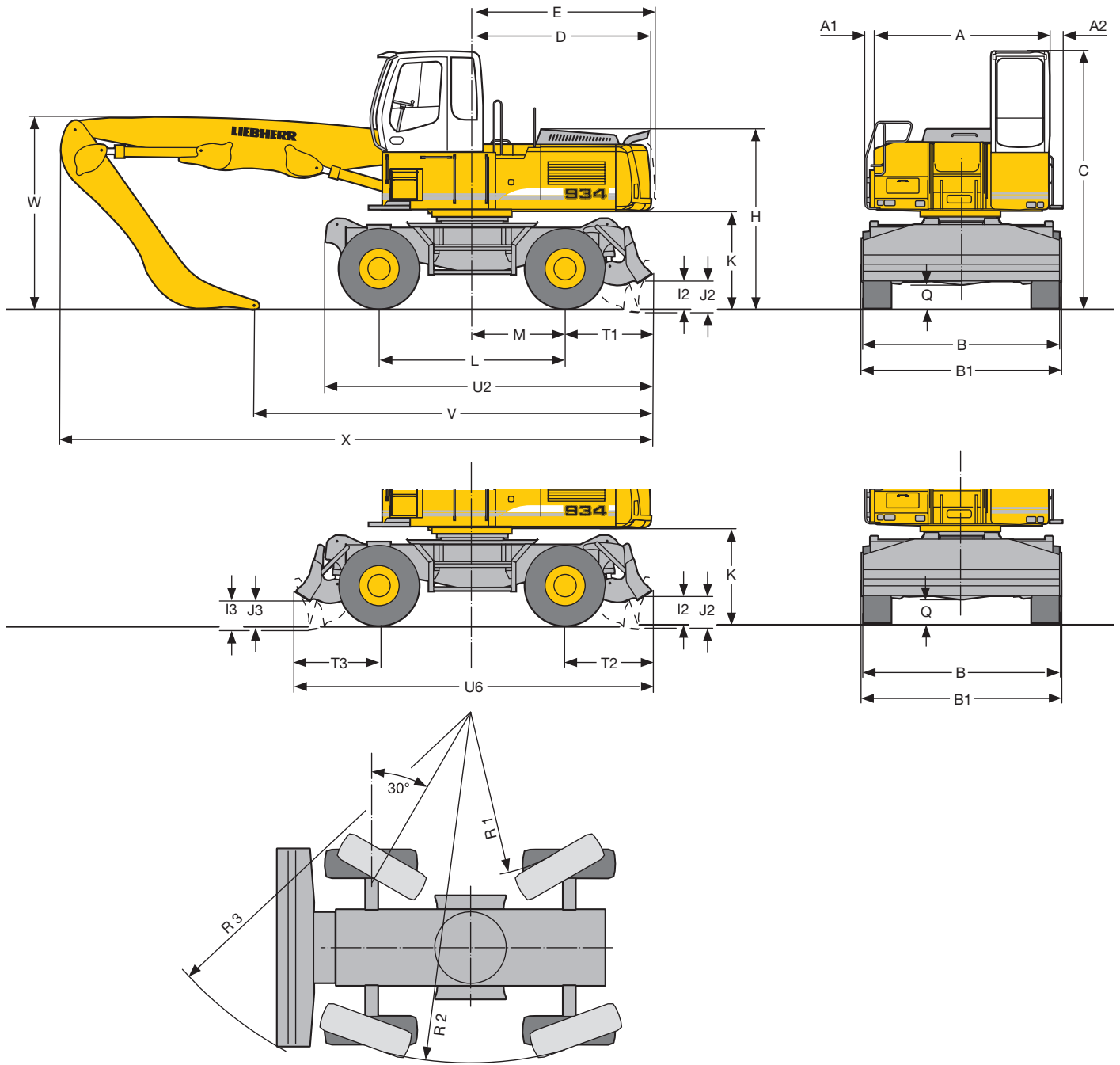
Drive	Liebherr variable flow swashplate motor with automatic brake valves
Transmission	oversized two speed power shift transmission with additional creeper speeds
Travel speed	0– 2,0 km/h (creeper speed) 0– 4,5 km/h (cross country) 0– 9,0 km/h (creeper speed road) 0–19,0 km/h (road travel)
Axles	70 t excavator axles; automatic or operator controlled front axle oscillation lock
Service and holding brakes	multiple wet discs
Parking brake	multiple wet discs (spring applied – pressure released)
Stabilization	stabilizer blade (rigid axle) opt. stabilizer blade (steering axle)
Four wheel steering	standard
Steering reversal control	standard



## Attachment

Type	high-strength steel plates at highly-stressed points for the toughest requirements. Complex and stable mountings of attachment and cylinders. Unrivalled strength, even at high loads
Hydraulic cylinders	Liebherr cylinders with special seal system. Shock absorption
Pivots	sealed, low maintenance
Lubrication	Liebherr semi-automatic central lubrication system

# Dimensions



	mm
A	3000
A1	180
A2	270
B	3360
B1	3300
C	4405
D	3075
E	3075
H	3055
I2	435
I3	435
J2	515
J3	515
K	1675

	mm
L	3200
M	1600
Q	350
R1	2690
R2	5910
R3	6430
T1	1500
T2	1500
T3	1500
U2	5590
U6	6200
V	6900
W	3400
X	10250

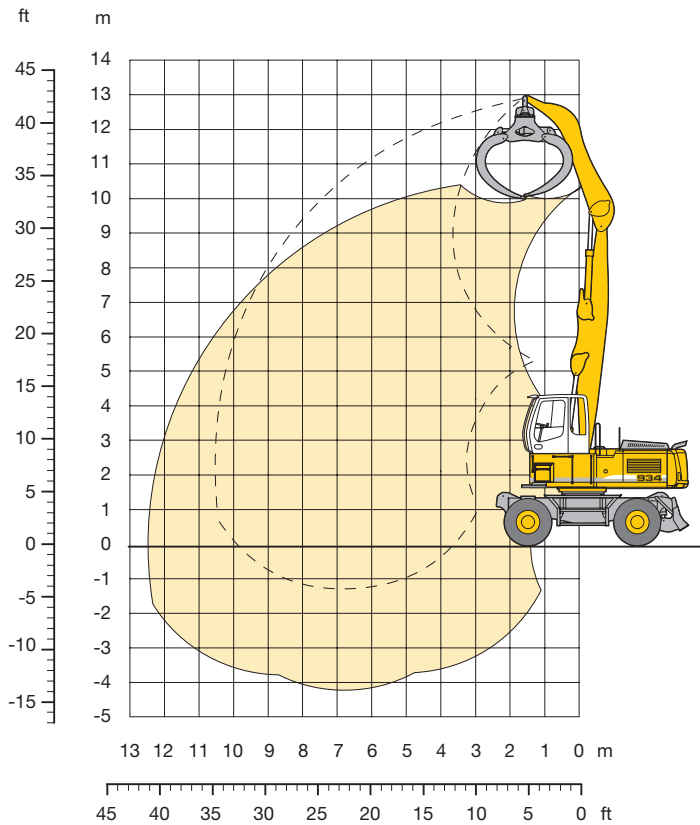
E = Tail radius

Dimensions are with attachment over steering axle

**Tires 17.50-25**

# Industrial Attachment

with Industrial-Type Straight Boom 6,70 m



## Attachment Envelope

Industrial-type straight boom pinned in rear bearing of boom foot bracket

- 1 with industrial stick 4,30 m
- 2 with industrial stick 4,30 m and wood grapple

## Operating Weight

Operating weight includes basic machine A 934 C HD Litronic with stabilizer blade, rigid cab elevation 800 mm, Tires 17.50-25 PR36, the industrial attachment for wood with industrial-type straight boom 6,70 m and industrial-type stick 4,30 m.
















with wood grapple GMH 50/2,50 m <sup>2</sup> and mechanism with 2 hydr. motors and industrial stick 4,30 m	Weight 36450 kg
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# Lift Capacities

with Industrial-Type Straight Boom 6,70 m

## Industrial Stick 4,30 m

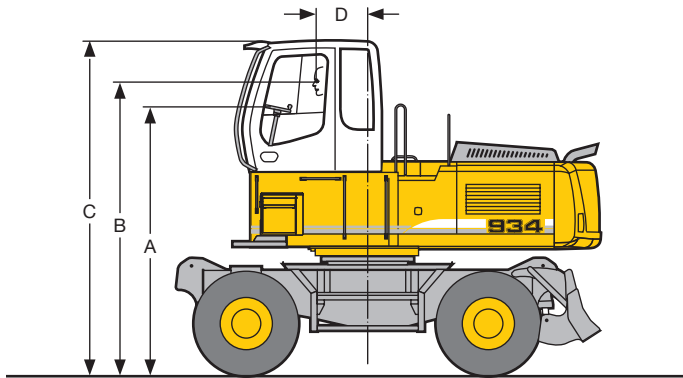
m	Undercarriage	3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		10,5 m				m
																
12,0	Stabilizers raised	11,3*	11,3*											9,3*	9,3*	4,31
	Stabilizer blade down	11,3*	11,3*											9,3*	9,3*	
	Stabilizer blades down	11,3*	11,3*											9,3*	9,3*	
10,5	Stabilizers raised			10,6*	10,6*	9,0*	9,0*							7,5*	7,5*	6,76
	Stabilizer blade down			10,6*	10,6*	9,0*	9,0*							7,5*	7,5*	
	Stabilizer blades down			10,6*	10,6*	9,0*	9,0*							7,5*	7,5*	
9,0	Stabilizers raised			11,2*	11,2*	10,3*	10,3*	7,8	8,6*					6,7	6,8*	8,25
	Stabilizer blade down			11,2*	11,2*	10,3*	10,3*	8,1	8,6*					6,8*	6,8*	
	Stabilizer blades down			11,2*	11,2*	10,3*	10,3*	8,6*	8,6*					6,8*	6,8*	
7,5	Stabilizers raised			11,8*	11,8*	10,4*	10,4*	7,8	8,9*	5,8	6,7			5,5	6,4	9,26
	Stabilizer blade down			11,8*	11,8*	10,4*	10,4*	8,1	8,9*	6,0	7,4*			5,7	6,5*	
	Stabilizer blades down			11,8*	11,8*	10,4*	10,4*	8,8	8,9*	6,5	7,4*			6,2	6,5*	
6,0	Stabilizers raised	11,4*	11,4*	13,5*	13,5*	10,8	10,8*	7,6	8,9	5,7	6,7			4,8	5,7	9,95
	Stabilizer blade down	11,4*	11,4*	13,5*	13,5*	10,8*	10,8*	7,9	9,1*	5,9	7,8*			5,0	6,5*	
	Stabilizer blades down	11,4*	11,4*	13,5*	13,5*	10,8*	10,8*	8,6	9,1*	6,5	7,8*			5,5	6,5*	
4,5	Stabilizers raised	22,1*	22,1*	14,9*	14,9*	10,3	11,5*	7,3	8,6	5,6	6,5			4,5	5,3	10,37
	Stabilizer blade down	22,1*	22,1*	14,9*	14,9*	10,6	11,5*	7,6	9,3*	5,8	7,8*			4,6	6,6*	
	Stabilizer blades down	22,1*	22,1*	14,9*	14,9*	11,5*	11,5*	8,3	9,3*	6,3	7,8*			5,1	6,6*	
3,0	Stabilizers raised			14,7	16,1*	9,7	11,4	7,0	8,3	5,4	6,4	4,3	5,1	4,3	5,0	10,57
	Stabilizer blade down			15,3	16,1*	10,0	11,9*	7,3	9,5*	5,6	7,7*	4,5	6,2*	4,4	6,1*	
	Stabilizer blades down			16,1*	16,1*	11,0	11,9*	8,0	9,5*	6,2	7,7*	4,9	6,2*	4,9	6,1*	
1,5	Stabilizers raised			12,5*	12,5*	9,2	10,9	6,8	8,0	5,3	6,2	4,3	5,0	4,2	5,0	10,55
	Stabilizer blade down			12,5*	12,5*	9,5	11,9*	7,0	9,3*	5,5	7,5*	4,4	5,7*	4,4	5,6*	
	Stabilizer blades down			12,5*	12,5*	10,5	11,9*	7,7	9,3*	6,0	7,5*	4,9	5,7*	4,8	5,6*	
0	Stabilizers raised			10,0*	10,0*	8,8	10,6	6,6	7,8	5,2	6,1			4,6	5,4	9,89
	Stabilizer blade down			10,0*	10,0*	9,2	11,0*	6,8	8,6*	5,4	6,8*			4,7	5,6*	
	Stabilizer blades down			10,0*	10,0*	10,2	11,0*	7,5	8,6*	5,9	6,8*			5,2	5,6*	

 Height  
  Can be slewed through 360°  
  In longitudinal position of undercarriage  
  Max. reach  
 \* Limited by hydr. capacity

The lift capacities on the stick end without attachment are stated in metric tons (t) and are valid on a firm, level supporting surface with blocked oscillating axle. These capacities can be slewed through 360° with the undercarriage in the transverse position. Capacities in the longitudinal position of the undercarriage (+/- 15°) are specified over the steering axle with the stabilisers raised and over the rigid axle with the stabilisers down. Indicated loads comply with the ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity.

In accordance with the harmonised EU Standard EN 474-5, hydraulic excavators used for lifting operations must be equipped with pipe rupture protection devices on the hoist cylinders and an overload warning device.

# Cab Elevation and Cab Protections



## Rigid Cab Elevation

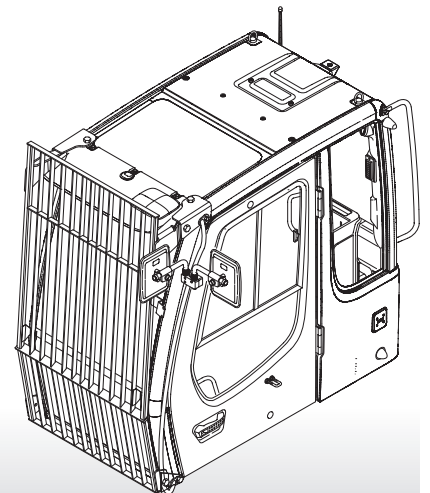
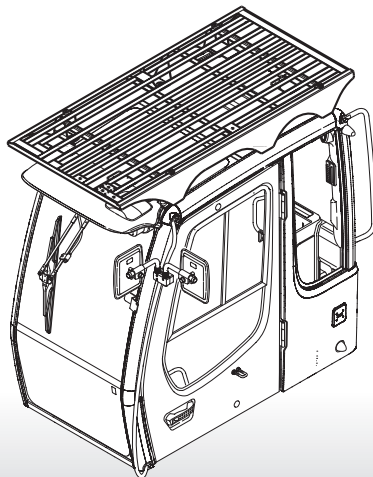
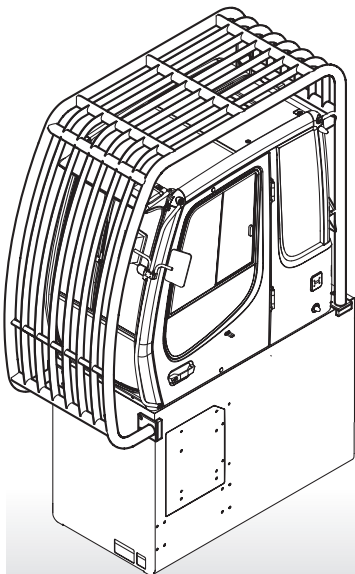
Height	mm	800	1200
A	mm	3540	3940
B	mm	3905	4305
C	mm	4400	4800
D	mm	675	675

A rigid cab elevation has a fixed eye level height. For a lower transport height the shell of the cab can be removed. The overall height is then dimension A.

## Cab guard for cab with elevation

## Grille above

## Grilles in front



# Equipment



## Undercarriage

	S	O
Two circuit travel brake with accumulator	•	
Four wheel steering	•	
Travel motor protection		
Outrigger cylinder rod guards		
Creeper speed electrically switchable from cab	•	
Steering reversal control	•	
Service free parking brake	•	
Choice of tires		
Auto check valve directly on each stabilizer cylinder	•	
Proportional power steering	•	
Customized colors		•
Two lockable storage boxes	•	
Two-speed power shift transmission	•	



## Uppercarriage

	S	O
Electric fuel tank filler pump		•
Maintenance-free swing brake lock	•	
Handrails, Non slip surfaces	•	
Main switch for electric circuit	•	
Engine hood with lift help	•	
Pedal controlled positioning swing brake	•	
Reverse travel warning system		•
Sound insulation	•	
Customized colors		•
Pin lock upper/lower		
Maintenance-free HD-batteries	•	
Extended tool kit		
Lockable tool box	•	
Tool kit	•	



## Hydraulics

	S	O
Hydraulic tank shut-off valve	•	
Extra hydr. control for hydr. swivel		
Pressure compensation	•	
Hook up for pressure checks	•	
Pressure storage for controlled lowering of attachments with engine turned off	•	
Filter with partial micro filtration (5 µm)	•	
Electronic pump regulation	•	
Stepless mode system (ECO)	•	
Flow compensation	•	
Four mixed modes, can also be adjusted	•	
Full flow micro filtration		•
Bio degradable hydraulic oil		•
Tool Control		•
Additional hydraulic circuits		•



## Engine

	S	O
Turbo charger	•	
After-cooled	•	
Sensor controlled engine idling	•	
Unit pump system	•	
Air filter with pre-cleaner main- and safety element	•	



## Operator's Cab

	S	O
Storage tray	•	
Displays for engine operating condition	•	
Mechanical hour meters, readable from outside the cab	•	
Roof hatch	•	
All-round adjustable roof vent		
6-way adjustable seat	•	
Airpressure operator seat with heating and head-rest		•
Seat and consoles independently adjustable	•	
Extinguisher		•
Removable customized foot mat	•	
Dome light	•	
Rigid cab elevation		•
Cab heater with defroster	•	
Cloth hook	•	
Air conditioning	•	
Electric cool box		•
Steering wheel adjustable	•	
Bullet proof window (fixed installation – can not be opened)		•
Stereo radio		•
Preparation for radio installation		•
Rain hood over front window opening	•	
Beacon		•
All tinted windows	•	
Door with sliding window	•	
Auxiliary heating		•
Sun shade		•
Sun roller blind	•	
Electronic drive away lock		•
Wiper/washer	•	
Cigarette lighter and ashtray	•	
Additional flood lights		•



## Attachment

	S	O
Flood lights	•	
Hydr. lines for clam operation in sticks	•	
Industrial-type gooseneck sticks with remote hydraulic pin puller		•
Sealed pivots	•	
Safety lift hook		•
Liebherr line of clams		•
Liebherr semi-automatic central lubrication system	•	
Liebherr fully-automatic central lubrication system		•
Likufix		•
Safety check valves on hoist cylinder	•	
Safety check valves on stick cylinder	•	
Hose quick connection	•	
Hydraulic or manual quick change tool adapter		•
Customized colors	•	
Special buckets and other tools	•	
Overload warning device	•	
Two way valves for bucket/clam use	•	
Locking of connections for clam operation	•	
Cylinders with shock absorber	•	

S = Standard, O = Option

**Options and/or special attachments, supplied by vendors other than Liebherr, are only to be installed with the knowledge and approval of Liebherr to retain warranty.**

