Technical Description Hydraulic Excavator

A 954 C HD Litronic®

Machine for Industrial Applications

Operating Weight 165,800 – 170,100 lb
Engine Output 326 hp (240 kW)

LIEBHERR

Technical Data

Engine

Rating per ISO 9249	240 kW (326 hp) at 1800 RPM
Model	Liebherr D 936 L
Type	6 cylinder in-line
Bore/Stroke	4.8/5.9 in
Displacement	640 cu in
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	185 gal
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 92 gpm
Max. pressure	5,075 PSI
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	55 gpm
Max. pressure	5,570 PSI
Hydraulic tank	120 gal
Hydraulic system	230 gal
Hydraulic oil filter	2 full flow filters in return line with integrated fine filter area (5 µm), 1 high pressure filter for each main pump
Hydraulic oil cooler	cooler unit, consisting of radiator for engine coolant with after-cooler core, sandwiched with cooler for hydraulic fluid with hydrostatically controlled fan drives
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 the rpm at each selected mode

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	0–6,6 RPM stepless
Swing torque	113,580 lb ft
Holding brake	wet multi-disc (spring applied, pressure released)
Option	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) = 75 dB(A)
2000/14/EC	L_{WA} (surround noise) = 105 dB(A)

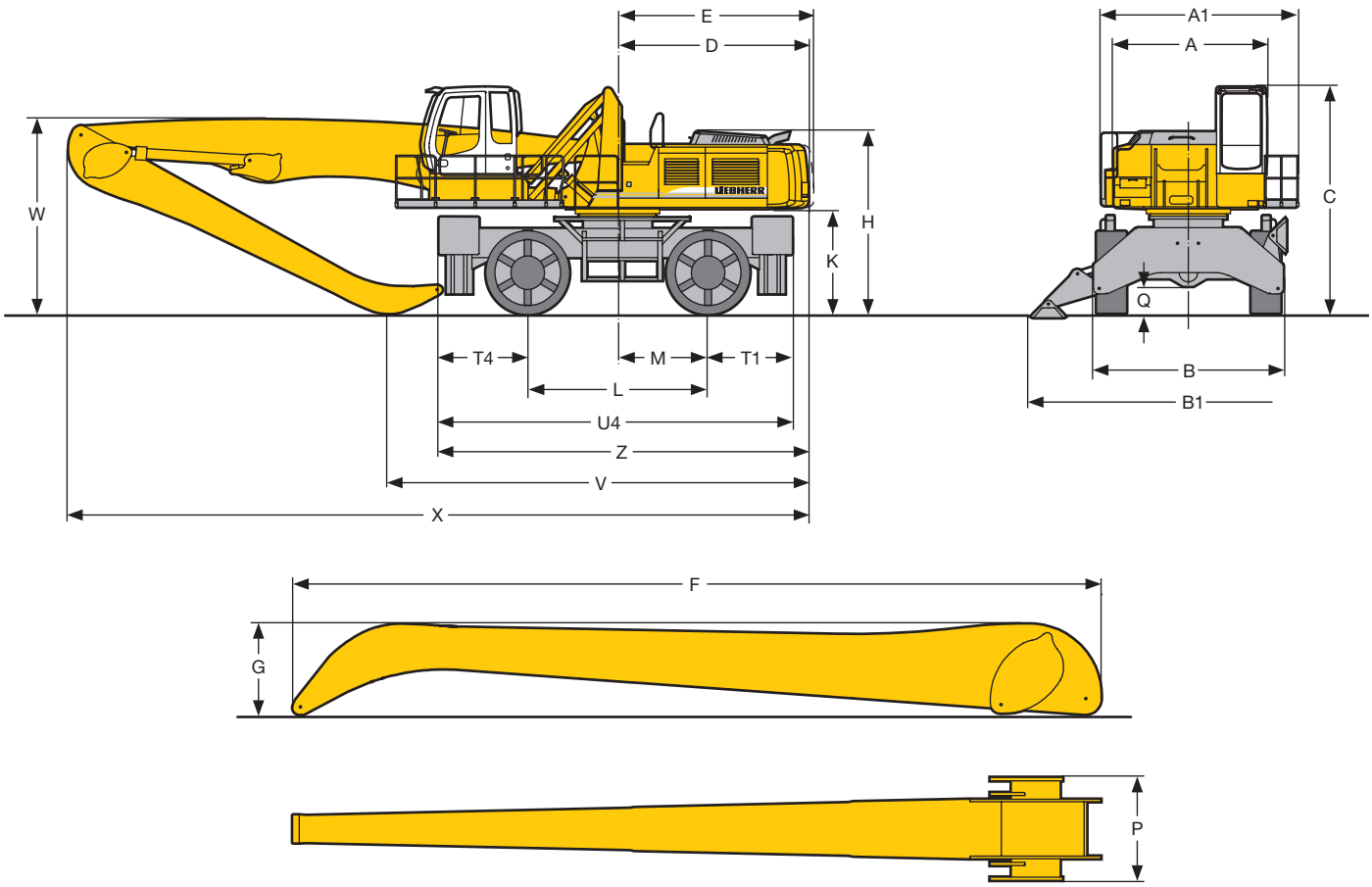
Undercarriage

Drive	axial piston motor with brake valves
Travel speed	0–6.2 mph
Axles	198,400 lb excavator axles; oscillating steering axle with hydraulic lock (in any position)
Brakes	wet, maintenance-free multi disc brakes, hydraulically actuated travel and parking brake
Stabilization	4-point outriggers

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



	ft in
A	9’10”
A1	11’ 6”
B	12’ 6”
B1	20’10”
C	17’ 2”
D	12’ 7”
E	12’ 7”
H	11’11”
K	6’11”
L	11’10”
M	5’11”
Q	1’ 9”
T1	5’ 7”
T4	5’10”
U4	23’ 3”
Z	24’

E = Tail radius

Tires Ø 65”, width 24”

Industrial-Type Straight Boom 34’5” and Industrial Stick	ft in	25’ 7”	29’ 6”
V	ft in	27’ 9”	24’ 1”
W	ft in	13’ 1”	14’ 9”
X	ft in	49’ 3”	49’ 1”

Industrial-Type Straight Boom 37’9” and Industrial Stick	ft in	29’ 6”	32’10”
V	ft in	26’ 5”	23’11”
W	ft in	13’ 1”	14’ 9”
X	ft in	52’ 4”	52’ 4”

Industrial-Type Gooseneck Boom 37’9” and Industrial Stick	ft in	29’ 6”	32’10”
V	ft in	–	–
W	ft in	14’10”	14’10”
X	ft in	52’ 6”	52’ 6”

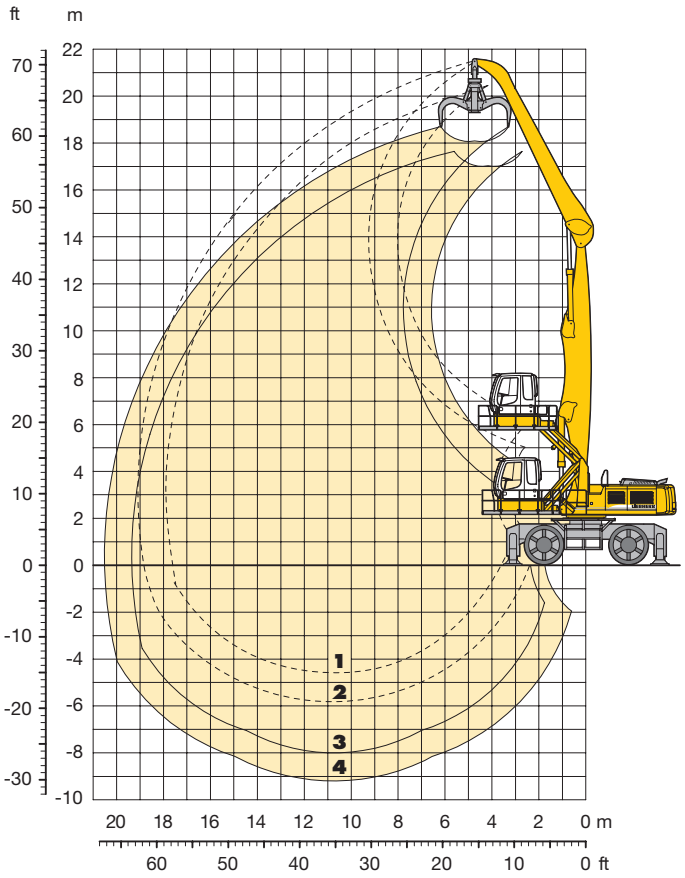
Industrial-Type Straight Boom 41’ and Industrial Stick	ft in	29’ 6”	32’10”
V	ft in	29’ 8”	27’ 1”
W	ft in	13’ 1”	14’ 9”
X	ft in	55’ 7”	55’ 7”

Industrial Stick	ft in	25’ 7”	29’ 6”	32’10”
F	ft in	26’ 9”	30’ 8”	33’11”
G	ft in	3’ 7”	3’ 7”	3’ 7”
P	ft in	4’ 1”	4’ 1”	4’ 1”

Dimensions are with attachment over steering axle

Industrial Attachment

with Industrial-Type Straight Boom 34’5”



Attachment Envelope

Kinematic variants 2A/3B

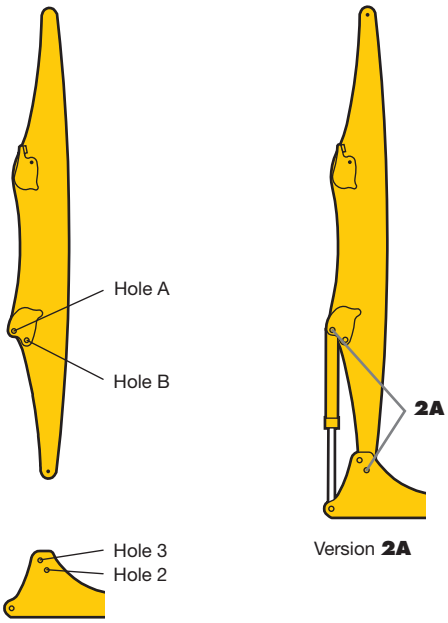
1 with industrial stick 25’7”
2 with industrial stick 29’6”
3 with industrial stick 25’7” and grapple model 72 B
4 with industrial stick 29’6” and grapple model 72 B

Operating Weight

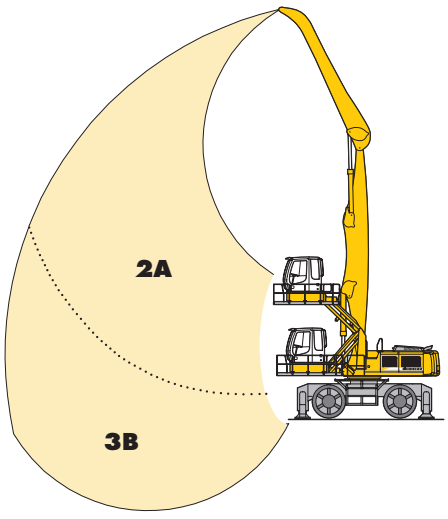
Operating weight includes basic machine and industrial attachment with:

	Weight
Industrial-type straight boom 34’5” Industrial stick 25’7” Grapple model 72 B/1.80 yd³ with 5 semi-closed tines	165,800 lb
Industrial-type straight boom 34’5” Industrial stick 29’6” Grapple model 72 B/1.80 yd³ with 5 semi-closed tines	166,550 lb

VarioLift Plus

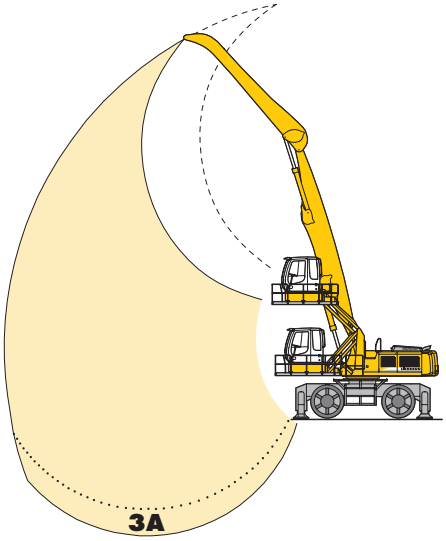


VarioLift Plus: Variable boom mounting positions for optimised lift capacities with **the same** working range



Kinematic variant 2A:
Increased lift capacities above ground level
Kinematic variant 3B:
Increased lift capacities below ground level and when working at large outreach

with a **different** working range



Kinematic variant 3A:
Altered range curve with additional reach depth, e.g. for unloading from ships

Lift Capacities

with Industrial-Type Straight Boom 34’5” (Variant 2A)

Industrial Stick 25’7”

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised													
	4 pt. outriggers down													
70	Stabilizers raised													
	4 pt. outriggers down													
65	Stabilizers raised			31,300x (31,300x)										
	4 pt. outriggers down			31,300x (31,300x)										
60	Stabilizers raised				31,600x (31,600x)	25,700x (25,700x)								
	4 pt. outriggers down				31,600x (31,600x)	25,700x (25,700x)								
55	Stabilizers raised				34,200x (34,200x)	31,000x (31,000x)	24,600 (26,000x)							
	4 pt. outriggers down				34,200x (34,200x)	31,000x (31,000x)	26,000x (26,000x)							
50	Stabilizers raised					33,200 (33,400x)	25,300 (27,900)	19,600 (21,700)						
	4 pt. outriggers down					33,400x (33,400x)	30,300x (30,300x)	25,200x (25,200x)						
45	Stabilizers raised					33,400 (34,000x)	25,600 (28,200)	20,000 (22,100)	15,700 (17,500)					
	4 pt. outriggers down					34,000x (34,000x)	30,200x (30,200x)	27,100x (27,100x)	23,400x (23,400x)					
40	Stabilizers raised					33,200 (34,100x)	25,400 (28,000)	20,000 (22,100)	15,900 (17,600)	12,500 (14,100)				
	4 pt. outriggers down					34,100x (34,100x)	30,200x (30,200x)	27,100x (27,100x)	24,400x (24,400x)	19,700x (19,700x)				
35	Stabilizers raised				38,100x (38,100x)	32,500 (34,500x)	25,000 (27,500)	19,700 (21,800)	15,700 (17,500)	12,600 (14,100)				
	4 pt. outriggers down				38,100x (38,100x)	34,500x (34,500x)	30,500x (30,500x)	27,200x (27,200x)	24,400x (24,400x)	21,800x (21,800x)				
30	Stabilizers raised				40,900x (40,900x)	31,300 (34,600)	24,200 (26,700)	19,100 (21,200)	15,400 (17,100)	12,500 (14,000)	10,100 (11,400)			
	4 pt. outriggers down				40,900x (40,900x)	35,300x (35,300x)	30,900x (30,900x)	27,400x (27,400x)	24,400x (24,400x)	21,800x (21,800x)	18,500x (18,500x)			
25	Stabilizers raised			42,500x (42,500x)	40,000 (42,800x)	29,800 (33,000)	23,100 (25,600)	18,400 (20,500)	14,900 (16,700)	12,200 (13,700)	10,000 (11,300)			
	4 pt. outriggers down			42,500x (42,500x)	42,800x (42,800x)	36,300x (36,300x)	31,400x (31,400x)	27,600x (27,600x)	24,500x (24,500x)	21,700x (21,700x)	18,800x (18,800x)			
20	Stabilizers raised	36,400x (36,400x)	54,800x (54,800x)	52,600 (55,500x)	37,100 (41,400)	28,000 (31,100)	21,900 (24,400)	17,500 (19,600)	14,300 (16,100)	11,800 (13,300)	9,800 (11,100)			
	4 pt. outriggers down	36,400x (36,400x)	54,800x (54,800x)	55,500x (55,500x)	44,600x (44,600x)	37,200x (37,200x)	31,900x (31,900x)	27,800x (27,800x)	24,400x (24,400x)	21,500x (21,500x)	18,500x (18,500x)			
15	Stabilizers raised		57,200x (57,200x)	47,000 (53,200)	33,900 (38,100)	25,900 (29,000)	20,500 (23,000)	16,600 (18,700)	13,700 (15,400)	11,400 (12,900)	9,500 (10,800)			
	4 pt. outriggers down		57,200x (57,200x)	58,300x (58,300x)	46,000x (46,000x)	37,900x (37,900x)	32,200x (32,200x)	27,800x (27,800x)	24,200x (24,200x)	21,100x (21,100x)	18,000x (18,000x)			
10	Stabilizers raised		9,800x (9,800x)	41,700 (47,700)	30,800 (34,900)	23,900 (27,000)	19,200 (21,600)	15,700 (17,700)	13,000 (14,800)	10,900 (12,400)	9,200 (10,600)			
	4 pt. outriggers down		9,800x (9,800x)	51,700x (51,700x)	46,400x (46,400x)	38,000x (38,000x)	32,000x (32,000x)	27,400x (27,400x)	23,700x (23,700x)	20,400x (20,400x)	17,200x (17,200x)			
5	Stabilizers raised		7,500x (7,500x)	25,000x (25,000x)	28,300 (32,300)	22,300 (25,300)	18,000 (20,400)	14,900 (16,900)	12,400 (14,200)	10,500 (12,000)	9,000 (10,300)			
	4 pt. outriggers down		7,500x (7,500x)	25,000x (25,000x)	45,200x (45,200x)	37,200x (37,200x)	31,200x (31,200x)	26,600x (26,600x)	22,800x (22,800x)	19,400x (19,400x)	15,900x (15,900x)			
0	Stabilizers raised		9,200x (9,200x)	21,000x (21,000x)	26,600 (30,500)	21,000 (24,000)	17,100 (19,500)	14,200 (16,200)	12,000 (13,700)	10,200 (11,700)	8,800 (10,200)			
	4 pt. outriggers down		9,200x (9,200x)	21,000x (21,000x)	42,300x (42,300x)	35,200x (35,200x)	29,600x (29,600x)	25,200x (25,200x)	21,400x (21,400x)	17,900x (17,900x)	14,100x (14,100x)			
- 5	Stabilizers raised		12,200x (12,200x)	21,500x (21,500x)	25,600 (29,500)	20,100 (23,100)	16,400 (18,800)	13,700 (15,700)	11,600 (13,300)	10,000 (11,500)	8,800 (10,100)			
	4 pt. outriggers down		12,200x (12,200x)	21,500x (21,500x)	37,800x (37,800x)	32,000x (32,000x)	27,100x (27,100x)	23,000x (23,000x)	19,300x (19,300x)	15,700x (15,700x)	11,400x (11,400x)			
- 10	Stabilizers raised			23,700x (23,700x)	25,100 (29,000)	19,700 (22,600)	16,000 (18,400)	13,400 (15,400)	11,400 (13,100)	9,900 (11,400)				
	4 pt. outriggers down			23,700x (23,700x)	31,600x (31,600x)	27,500x (27,500x)	23,500x (23,500x)	19,800x (19,800x)	16,300x (16,300x)	12,500x (12,500x)				
- 15	Stabilizers raised						15,900 (18,300)							
	4 pt. outriggers down						18,700x (18,700x)							
- 20	Stabilizers raised													
	4 pt. outriggers down													
- 25	Stabilizers raised													
	4 pt. outriggers down													

Industrial Stick 29’6”

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised													
	4 pt. outriggers down													
70	Stabilizers raised													
	4 pt. outriggers down													
65	Stabilizers raised				27,600x (27,600x)									
	4 pt. outriggers down				27,600x (27,600x)									
60	Stabilizers raised					27,100x (27,100x)	22,800x (22,800x)							
	4 pt. outriggers down					27,100x (27,100x)	22,800x (22,800x)							
55	Stabilizers raised					29,000x (29,000x)	26,200 (26,400x)	20,200 (22,300x)						
	4 pt. outriggers down					29,000x (29,000x)	26,400x (26,400x)	22,300x (22,300x)						
50	Stabilizers raised					30,000x (30,000x)	26,700 (28,300x)	20,800 (23,000)	16,300 (18,100)					
	4 pt. outriggers down					30,000x (30,000x)	28,300x (28,300x)	25,600x (25,600x)	21,100x (21,100x)					
45	Stabilizers raised						26,900 (28,800x)	21,000 (23,200)	16,600 (18,400)	13,100 (14,700)				
	4 pt. outriggers down						28,800x (28,800x)	26,000x (26,000x)	23,600x (23,600x)	19,100x (19,100x)				
40	Stabilizers raised					31,400x (31,400x)	26,700 (28,800x)	20,900 (23,100)	16,600 (18,400)	13,300 (14,800)	10,500 (11,800)			
	4 pt. outriggers down					31,400x (31,400x)	28,800x (28,800x)	26,000x (26,000x)	23,600x (23,600x)	21,400x (21,400x)	15,200x (15,200x)			
35	Stabilizers raised					32,400x (32,400x)	26,200 (28,800)	20,600 (22,700)	16,400 (18,200)	13,200 (14,700)	10,600 (11,900)			
	4 pt. outriggers down					32,400x (32,400x)	29,100x (29,100x)	26,100x (26,100x)	23,600x (23,600x)	21,300x (21,300x)	19,100x (19,100x)			
30	Stabilizers raised					33,100 (33,600x)	25,400 (28,000)	20,000 (22,100)	16,000 (17,800)	12,900 (14,500)	10,500 (11,800)			
	4 pt. outriggers down					33,600x (33,600x)	29,600x (29,600x)	26,400x (26,400x)	23,700x (23,700x)	21,300x (21,300x)	19,100x (19,100x)			
25	Stabilizers raised				35,000x (35,000x)	31,500 (34,600x)	24,300 (26,800)	19,200 (21,300)	15,500 (17,200)	12,600 (14,100)	10,300 (11,600)	8,400 (9,600)		
	4 pt. outriggers down				35,000x (35,000x)	34,600x (34,600x)	30,300x (30,300x)	26,800x (26,800x)	23,900x (23,900x)	21,300x (21,300x)	19,000x (19,000x)	16,400x (16,400x)		
20	Stabilizers raised			36,500x (36,500x)	39,800 (42,400x)	29,600 (32,800)	22,900 (25,500)	18,300 (20,300)	14,800 (16,500)	12,100 (13,600)	10,000 (11,300)	8,200 (9,400)		
	4 pt. outriggers down			36,500x (36,500x)	42,400x (42,400x)	35,800x (35,800x)	30,900x (30,900x)	27,100x (27,100x)	24,000x (24,000x)	21,300x (21,300x)	18,800x (18,800x)	16,100x (16,100x)		
15	Stabilizers raised	54,200x (54,200x)	61,700x (61,700x)	51,300 (55,600x)	36,300 (40,600)	27,400 (30,600)	21,400 (23,900)	17,200 (19,300)	14,000 (15,800)	11,600 (13,100)	9,600 (11,000)	8,000 (9,200)		
	4 pt. outriggers down	54,200x (54,200x)	61,700x (61,700x)	55,600x (55,600x)	44,300x (44,300x)	36,800x (36,800x)	31,400x (31,400x)	27,300x (27,300x)	23,900x (23,900x)	21,100x (21,100x)	18,400x (18,400x)	15,600x (15,600x)		
10	Stabilizers raised		32,600x (32,600x)	45,100 (51,300)	32,800 (36,900)	25,100 (28,200)	19,900 (22,400)	16,100 (18,200)	13,300 (15,000)	11,000 (12,600)	9,200 (10,600)	7,800 (9,000)		
	4 pt. outriggers down		32,600x (32,600x)	58,000x (58,000x)	45,600x (45,600x)	37,400x (37,400x)	31,600x (31,600x)	27,200x (27,200x)	23,700x (23,700x)	20,700x (20,700x)	17,900x (17,900x)	14,900x (14,900x)		
5	Stabilizers raised	1,900x (1,900x)	12,200x (12,200x)	40,000 (43,400x)	29,600 (33,700)	23,000 (26,100)	18,500 (20,900)	15,100 (17,200)	12,600 (14,300)	10,500 (12,000)	8,900 (10,200)	7,600 (8,800)		
	4 pt. outriggers down	1,900x (1,900x)	12,200x (12,200x)	43,400x (43,400x)	45,500x (45,500x)	37,300x (37,300x)	31,300x (31,300x)	26,800x (26,800x)	23,100x (23,100x)	20,000x (20,000x)	17,000x (17,000x)	13,800x (13,800x)		
0	Stabilizers raised	4,100x (4,100x)	11,000x (11,000x)	26,100x (26,100x)	27,200 (31,200)	21,300 (24,400)	17,300 (19,700)	14,300 (16,300)	11,900 (13,600)	10,100 (11,600)	8,600 (9,900)	7,400 (8,600)		
	4 pt. outriggers down	4,100x (4,100x)	11,000x (11,000x)	26,100x (26,100x)	44,000x (44,000x)	36,100x (36,100x)	30,400x (30,400x)	25,900x (25,900x)	22,200x (22,200x)	18,900x (18,900x)	15,800x (15,800x)	12,100x (12,100x)		
- 5	Stabilizers raised		12,400x (12,400x)	23,100x (23,100x)	25,500 (29,500)	20,100 (23,100)	16,300 (18,700)	13,600 (15,600)	11,400 (13,100)	9,700 (11,200)	8,400 (9,700)	7,400 (8,600)		
	4 pt. outriggers down		12,400x (12,400x)	23,100x (23,100x)	40,800x (40,800x)	33,900x (33,900x)	28,500x (28,500x)	24,200x (24,200x)	20,600x (20,600x)	17,300x (17,300x)	13,900x (13,900x)	9,700x (9,700x)		
- 10	Stabilizers raised		14,700x (14,700x)	23,500x (23,500x)	24,600 (28,500)	19,300 (22,300)	15,700 (18,100)	13,100 (15,100)	11,100 (12,800)	9,500 (11,000)	8,300 (9,600)			
	4 pt. outriggers down		14,700x (14,700x)	23,500x (23,500x)	35,900x (35,900x)	30,400x (30,400x)	25,700x (25,700x)	21,800x (21,800x)	18,300x (18,300x)	15,000x (15,000x)	11,300x (11,300x)			
- 15	Stabilizers raised				24,300 (28,200)	18,900 (21,900)	15,400 (17,800)	12,800 (14,800)	10,900 (12,600)	9,500 (11,000)				
	4 pt. outriggers down				29,600x (29,600x)	25,600x (25,600x)	21,900x (21,900x)	18,400x (18,400x)	15,100x (15,100x)	11,700x (11,700x)				
- 20	Stabilizers raised													
	4 pt. outriggers down													
- 25	Stabilizers raised													
	4 pt. outriggers down													

The lift capacities are stated in lb on the lifting gear’s stick tip, and can be lifted 360° on firm, level supporting surface with closed steering axle. Capacities shown in brackets are valid when the undercarriage is in longitudinal position and are established over the steering axle (travel position) with stabilizers raised, and over rigid axle with stabilizers down. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (x). Lift capacities do not include the weight of a grapple, clamshells, magnet or other lifting devices, which must be deducted from the above figures. Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

Lift Capacities

with Industrial-Type Straight Boom 34′5″ (Variant 3B)

Industrial Stick 25′7″

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised													
	4 pt. outriggers down													
70	Stabilizers raised													
	4 pt. outriggers down													
65	Stabilizers raised			33,100x (33,100x)										
	4 pt. outriggers down			33,100x (33,100x)										
60	Stabilizers raised				32,500x (32,500x)	27,500x (27,500x)								
	4 pt. outriggers down				32,500x (32,500x)	27,500x (27,500x)								
55	Stabilizers raised					27,800x (27,800x)	24,700 (26,000x)							
	4 pt. outriggers down					27,800x (27,800x)	26,000x (26,000x)							
50	Stabilizers raised					26,800x (26,800x)	25,000x (25,000x)	19,700 (21,800)						
	4 pt. outriggers down					26,800x (26,800x)	25,000x (25,000x)	23,700x (23,700x)						
45	Stabilizers raised					26,500x (26,500x)	24,700x (24,700x)	19,900 (22,000)	15,700 (17,500)					
	4 pt. outriggers down					26,500x (26,500x)	24,700x (24,700x)	23,200x (23,200x)	22,100x (22,100x)					
40	Stabilizers raised					26,800x (26,800x)	24,800x (24,800x)	19,900 (22,000)	15,800 (17,600)	12,500 (14,100)				
	4 pt. outriggers down					26,800x (26,800x)	24,800x (24,800x)	23,200x (23,200x)	21,900x (21,900x)	21,000x (21,000x)				
35	Stabilizers raised				30,500x (30,500x)	27,700x (27,700x)	24,800 (25,400x)	19,500 (21,600)	15,600 (17,400)	12,500 (14,100)				
	4 pt. outriggers down				30,500x (30,500x)	27,700x (27,700x)	25,400x (25,400x)	23,600x (23,600x)	22,100x (22,100x)	20,900x (20,900x)				
30	Stabilizers raised				32,600x (32,600x)	29,000x (29,000x)	23,900 (26,300x)	18,900 (21,000)	15,200 (17,000)	12,400 (13,900)	10,000 (11,300)			
	4 pt. outriggers down				32,600x (32,600x)	29,000x (29,000x)	26,300x (26,300x)	24,200x (24,200x)	22,400x (22,400x)	21,000x (21,000x)	19,800x (19,800x)			
25	Stabilizers raised			41,800x (41,800x)	35,400x (35,400x)	29,400 (30,900x)	22,800 (25,300)	18,200 (20,200)	14,700 (16,500)	12,000 (13,500)	9,900 (11,200)			
	4 pt. outriggers down			41,800x (41,800x)	35,400x (35,400x)	30,900x (30,900x)	27,600x (27,600x)	25,000x (25,000x)	23,000x (23,000x)	21,300x (21,300x)	19,900x (19,900x)			
20	Stabilizers raised	48,000x (48,000x)	62,800x (62,800x)	47,600x (47,600x)	36,400 (38,800x)	27,500 (30,600)	21,500 (24,000)	17,300 (19,300)	14,100 (15,800)	11,600 (13,100)	9,600 (11,000)			
	4 pt. outriggers down	48,000x (48,000x)	62,800x (62,800x)	47,600x (47,600x)	38,800x (38,800x)	33,100x (33,100x)	29,000x (29,000x)	26,000x (26,000x)	23,600x (23,600x)	21,700x (21,700x)	20,100x (20,100x)			
15	Stabilizers raised		27,200x (27,200x)	45,600 (51,800)	33,100 (37,300)	25,400 (28,500)	20,100 (22,600)	16,300 (18,400)	13,400 (15,200)	11,200 (12,700)	9,400 (10,700)			
	4 pt. outriggers down		27,200x (27,200x)	53,800x (53,800x)	42,400x (42,400x)	35,300x (35,300x)	30,500x (30,500x)	27,000x (27,000x)	24,300x (24,300x)	22,100x (22,100x)	20,200x (20,200x)			
10	Stabilizers raised		7,300x (7,300x)	37,200x (37,200x)	30,000 (34,100)	23,400 (26,500)	18,800 (21,200)	15,400 (17,400)	12,800 (14,500)	10,700 (12,200)	9,100 (10,400)			
	4 pt. outriggers down		7,300x (7,300x)	37,200x (37,200x)	45,600x (45,600x)	37,400x (37,400x)	31,900x (31,900x)	27,900x (27,900x)	24,800x (24,800x)	22,400x (22,400x)	20,000 (20,300x)			
5	Stabilizers raised		6,600x (6,600x)	21,500x (21,500x)	27,600 (31,600)	21,700 (24,700)	17,600 (20,000)	14,600 (16,600)	12,200 (13,900)	10,300 (11,800)	8,800 (10,200)			
	4 pt. outriggers down		6,600x (6,600x)	21,500x (21,500x)	47,900x (47,900x)	39,000x (39,000x)	33,000x (33,000x)	28,600x (28,600x)	25,300x (25,300x)	22,600x (22,600x)	19,700 (20,200x)			
0	Stabilizers raised		8,900x (8,900x)	19,400x (19,400x)	25,900 (29,900)	20,500 (23,500)	16,700 (19,100)	13,900 (15,900)	11,700 (13,400)	10,000 (11,500)	8,700 (10,000)			
	4 pt. outriggers down		8,900x (8,900x)	19,400x (19,400x)	43,700x (43,700x)	39,800x (39,800x)	33,600x (33,600x)	29,000x (29,000x)	25,400x (25,400x)	22,400 (22,500x)	19,500 (19,800x)			
- 5	Stabilizers raised			20,600x (20,600x)	25,000 (28,900)	19,700 (22,700)	16,100 (18,400)	13,400 (15,400)	11,400 (13,100)	9,800 (11,300)	8,600 (9,900)			
	4 pt. outriggers down			20,600x (20,600x)	38,400x (38,400x)	39,700x (39,700x)	33,500x (33,500x)	28,900x (28,900x)	25,200x (25,200x)	22,000x (22,000x)	18,900x (18,900x)			
-10	Stabilizers raised				24,700 (28,600)	19,300 (22,300)	15,700 (18,100)	13,200 (15,100)	11,200 (12,900)	9,800 (11,200)				
	4 pt. outriggers down				38,200x (38,200x)	38,600x (38,600x)	32,700x (32,700x)	28,100x (28,100x)	24,300x (24,300x)	20,900x (20,900x)				
-15	Stabilizers raised													
	4 pt. outriggers down													
-20	Stabilizers raised													
	4 pt. outriggers down													
-25	Stabilizers raised													
	4 pt. outriggers down													

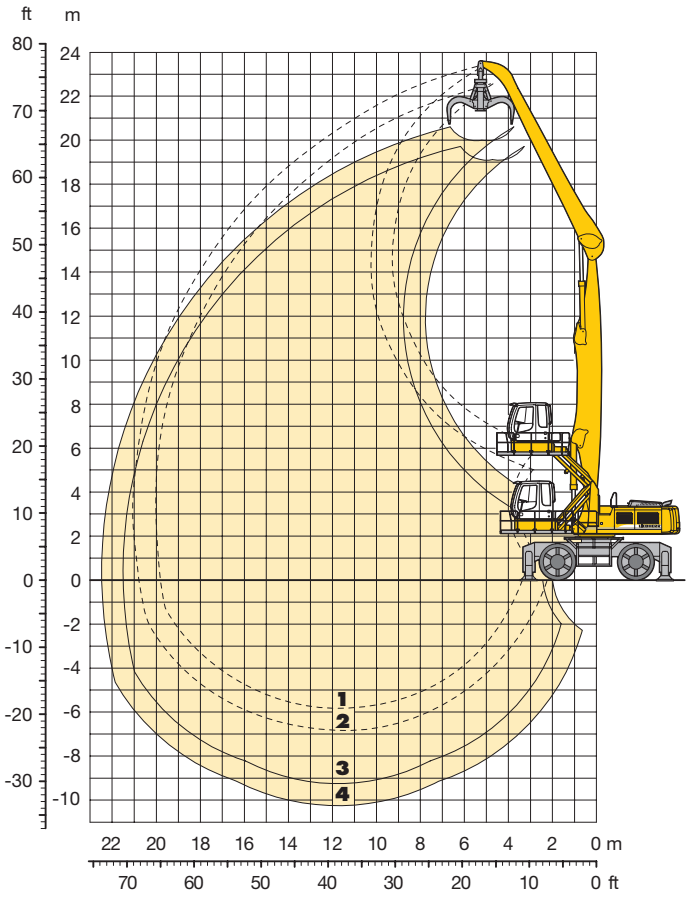
Industrial Stick 29′6″

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised													
	4 pt. outriggers down													
70	Stabilizers raised			28,700x (28,700x)										
	4 pt. outriggers down			28,700x (28,700x)										
65	Stabilizers raised				28,600x (28,600x)	23,900x (23,900x)								
	4 pt. outriggers down				28,600x (28,600x)	23,900x (23,900x)								
60	Stabilizers raised					26,400x (26,400x)	24,000x (24,000x)							
	4 pt. outriggers down					26,400x (26,400x)	24,000x (24,000x)							
55	Stabilizers raised					25,000x (25,000x)	23,400x (23,400x)	20,300 (22,300x)						
	4 pt. outriggers down					25,000x (25,000x)	23,400x (23,400x)	22,300x (22,300x)						
50	Stabilizers raised						22,800x (22,800x)	20,800 (21,600x)	16,400 (18,100)					
	4 pt. outriggers down						22,800x (22,800x)	21,600x (21,600x)	20,700x (20,700x)					
45	Stabilizers raised						22,500x (22,500x)	21,000 (21,300x)	16,600 (18,400)	13,100 (14,700)				
	4 pt. outriggers down						22,500x (22,500x)	21,300x (21,300x)	20,300x (20,300x)	19,600x (19,600x)				
40	Stabilizers raised						22,700x (22,700x)	20,800 (21,400x)	16,600 (18,300)	13,200 (14,800)	10,500 (11,800)			
	4 pt. outriggers down						22,700x (22,700x)	21,400x (21,400x)	20,300x (20,300x)	19,400x (19,400x)	16,900x (16,900x)			
35	Stabilizers raised					25,100x (25,100x)	23,300x (23,300x)	20,400 (21,800x)	16,300 (18,100)	13,100 (14,600)	10,500 (11,900)			
	4 pt. outriggers down					25,100x (25,100x)	23,300x (23,300x)	21,800x (21,800x)	20,500x (20,500x)	19,400x (19,400x)	18,600x (18,600x)			
30	Stabilizers raised					26,400x (26,400x)	24,200x (24,200x)	19,800 (21,900)	15,800 (17,600)	12,800 (14,400)	10,400 (11,700)	8,300 (9,500)		
	4 pt. outriggers down					26,400x (26,400x)	24,200x (24,200x)	22,400x (22,400x)	20,900x (20,900x)	19,700x (19,700x)	18,600x (18,600x)	14,900x (14,900x)		
25	Stabilizers raised				31,700x (31,700x)	28,200x (28,200x)	24,000 (25,500x)	19,000 (21,100)	15,300 (17,000)	12,400 (13,900)	10,100 (11,500)	8,300 (9,500)		
	4 pt. outriggers down				31,700x (31,700x)	28,200x (28,200x)	25,500x (25,500x)	23,300x (23,300x)	21,500x (21,500x)	20,100x (20,100x)	18,800x (18,800x)	17,700x (17,700x)		
20	Stabilizers raised			37,700x (37,700x)	35,100x (35,100x)	29,100 (30,400x)	22,600 (25,100)	18,000 (20,000)	14,600 (16,300)	11,900 (13,400)	9,800 (11,200)	8,100 (9,300)		
	4 pt. outriggers down			37,700x (37,700x)	35,100x (35,100x)	30,400x (30,400x)	27,000x (27,000x)	24,300x (24,300x)	22,200x (22,200x)	20,500x (20,500x)	19,100x (19,100x)	17,800x (17,800x)		
15	Stabilizers raised		64,700x (64,700x)	48,200x (48,200x)	35,500 (38,900x)	26,800 (30,000)	21,000 (23,500)	16,900 (19,000)	13,800 (15,500)	11,400 (12,900)	9,500 (10,800)	7,900 (9,100)		
	4 pt. outriggers down		64,700x (64,700x)	48,200x (48,200x)	38,900x (38,900x)	32,800x (32,800x)	28,600x (28,600x)	25,400x (25,400x)	23,000x (23,000x)	21,000x (21,000x)	19,400x (19,400x)	17,700 (17,900x)		
10	Stabilizers raised		20,700x (20,700x)	43,700 (49,900)	31,900 (36,000)	24,500 (27,600)	19,500 (21,900)	15,800 (17,800)	13,000 (14,800)	10,800 (12,300)	9,100 (10,400)	7,600 (8,800)		
	4 pt. outriggers down		20,700x (20,700x)	54,300x (54,300x)	42,500x (42,500x)	35,200x (35,200x)	30,200x (30,200x)	26,500x (26,500x)	23,700x (23,700x)	21,500x (21,500x)	19,600x (19,600x)	17,400 (17,900x)		
5	Stabilizers raised	1,600x (1,600x)	10,300x (10,300x)	34,000x (34,000x)	28,800 (32,800)	22,500 (25,500)	18,000 (20,500)	14,800 (16,800)	12,300 (14,000)	10,300 (11,800)	8,700 (10,100)	7,400 (8,600)		
	4 pt. outriggers down	1,600x (1,600x)	10,300x (10,300x)	34,000x (34,000x)	45,400x (45,400x)	37,100x (37,100x)	31,500x (31,500x)	27,400x (27,400x)	24,300x (24,300x)	21,900x (21,900x)	19,700 (19,800x)	17,200 (17,800x)		
0	Stabilizers raised	4,100x (4,100x)	10,200x (10,200x)	23,300x (23,300x)	26,400 (30,400)	20,800 (23,800)	16,900 (19,300)	13,900 (15,900)	11,700 (13,400)	9,900 (11,400)	8,400 (9,800)	7,300 (8,500)		
	4 pt. outriggers down	4,100x (4,100x)	10,200x (10,200x)	23,300x (23,300x)	47,300x (47,300x)	38,500x (38,500x)	32,500x (32,500x)	28,100x (28,100x)	24,700x (24,700x)	22,000x (22,000x)	19,400 (19,700x)	17,000 (17,500x)		
- 5	Stabilizers raised		12,000x (12,000x)	21,600x (21,600x)	24,900 (28,900)	19,600 (22,600)	16,000 (18,300)	13,300 (15,300)	11,200 (12,900)	9,500 (11,000)	8,200 (9,600)	7,200 (8,400)		
	4 pt. outriggers down		12,000x (12,000x)	21,600x (21,600x)	43,500x (43,500x)	39,100x (39,100x)	32,900x (32,900x)	28,400x (28,400x)	24,800x (24,800x)	21,900 (21,900x)	19,100 (19,400x)	16,600x (16,600x)		
-10	Stabilizers raised			22,500x (22,500x)	24,100 (28,000)	18,900 (21,800)	15,400 (17,700)	12,800 (14,800)	10,900 (12,600)	9,300 (10,800)	8,100 (9,500)			
	4 pt. outriggers down			22,500x (22,500x)	39,200x (39,200x)	38,800x (38,800x)	32,700x (32,700x)	28,100x (28,100x)	24,500x (24,500x)	21,400x (21,400x)	18,500x (18,500x)			
-15	Stabilizers raised				23,800 (27,700)	18,600 (21,500)	15,100 (17,400)	12,600 (14,600)	10,700 (12,400)					
	4 pt. outriggers down				39,100x (39,100x)	37,500x (37,500x)	31,700x (31,700x)	27,200x (27,200x)	23,500x (23,500x)					
-20	Stabilizers raised													
	4 pt. outriggers down													
-25	Stabilizers raised													
	4 pt. outriggers down													

The lift capacities are stated in lb on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface with closed steering axle. Capacities shown in brackets are valid when the undercarriage is in longitudinal position and are established over the steering axle (travel position) with stabilizers raised, and over rigid axle with stabilizers down. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (x). Lift capacities do not include the weight of a grapple, clamshells, magnet or other lifting devices, which must be deducted from the above figures. Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

Industrial Attachment

with Industrial-Type Straight Boom 37’9”



Attachment Envelope

Kinematic variants 2A/3B

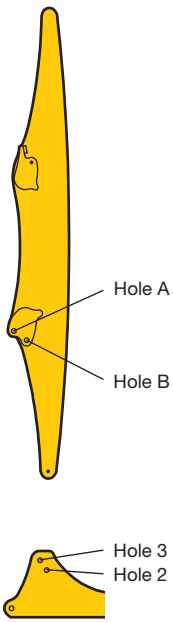
1 with industrial stick 29’ 6”
2 with industrial stick 32’10”
3 with industrial stick 29’ 6” and grapple model 72 B
4 with industrial stick 32’10” and grapple model 72 B

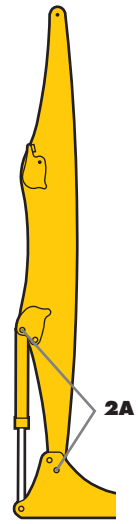
Operating Weight

Operating weight includes basic machine and industrial attachment with:

	Weight
Industrial-type straight boom 37’9” Industrial stick 29’6” Grapple model 72 B/1.80 yd³ with 5 semi-closed tines	168,000 lb
Industrial-type straight boom 37’9” Industrial stick 32’10” Grapple model 72 B/1.80 yd³ with 5 semi-closed tines	168,900 lb

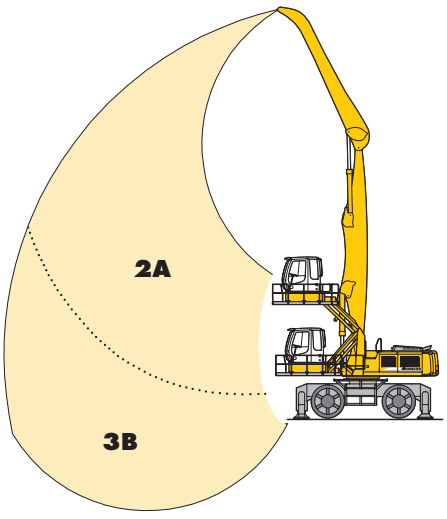
VarioLift Plus





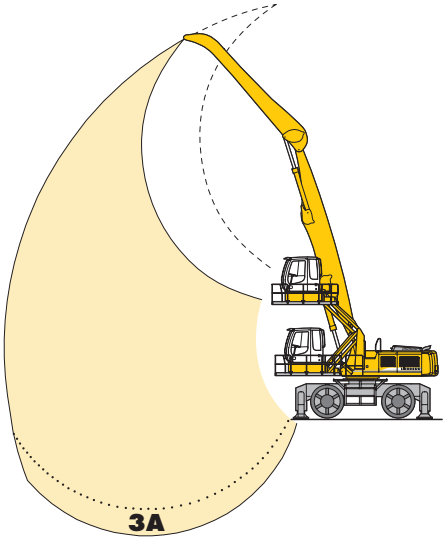
Version **2A**

VarioLift Plus: Variable boom mounting positions for optimised lift capacities with **the same** working range



Kinematic variant 2A:
Increased lift capacities above ground level
Kinematic variant 3B:
Increased lift capacities below ground level and when working at large outreach

with a **different** working range



Kinematic variant 3A:
Altered range curve with additional reach depth, e.g. for unloading from ships

Lift Capacities

with Industrial-Type Straight Boom 37’9” (Variant 2A)

Industrial Stick 29’6”

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised													
	4 pt. outriggers down													
70	Stabilizers raised				26,200x (26,200x)									
	4 pt. outriggers down				26,200x (26,200x)									
65	Stabilizers raised					26,300x (26,300x)	21,600x (21,600x)							
	4 pt. outriggers down					26,300x (26,300x)	21,600x (21,600x)							
60	Stabilizers raised					28,600x (28,600x)	25,800x (25,800x)	19,800 (21,700x)						
	4 pt. outriggers down					28,600x (28,600x)	25,800x (25,800x)	21,700x (21,700x)						
55	Stabilizers raised					29,800x (29,800x)	26,600 (28,000x)	20,600 (22,800)	16,000 (17,800)					
	4 pt. outriggers down					29,800x (29,800x)	28,000x (28,000x)	25,300x (25,300x)	21,000x (21,000x)					
50	Stabilizers raised						26,900 (28,400x)	20,900 (23,100)	16,400 (18,200)	12,800 (14,400)				
	4 pt. outriggers down						28,400x (28,400x)	25,300x (25,300x)	22,800x (22,800x)	19,600x (19,600x)				
45	Stabilizers raised						26,800 (28,400x)	20,900 (23,100)	16,500 (18,300)	13,100 (14,600)	10,200 (11,500)			
	4 pt. outriggers down						28,400x (28,400x)	25,300x (25,300x)	22,700x (22,700x)	20,500x (20,500x)	16,800x (16,800x)			
40	Stabilizers raised					32,000x (32,000x)	26,400 (28,500x)	20,600 (22,800)	16,400 (18,200)	13,000 (14,600)	10,300 (11,700)			
	4 pt. outriggers down					32,000x (32,000x)	28,500x (28,500x)	25,400x (25,400x)	22,700x (22,700x)	20,400x (20,400x)	18,300x (18,300x)			
35	Stabilizers raised					32,900x (32,900x)	25,700 (28,300)	20,100 (22,200)	16,000 (17,800)	12,800 (14,300)	10,200 (11,600)	8,100 (9,300)		
	4 pt. outriggers down					32,900x (32,900x)	28,800x (28,800x)	25,500x (25,500x)	22,800x (22,800x)	20,400x (20,400x)	18,300x (18,300x)	16,100x (16,100x)		
30	Stabilizers raised				33,600x (33,600x)	32,100 (33,700x)	24,600 (27,200)	19,300 (21,400)	15,400 (17,200)	12,400 (14,000)	10,000 (11,400)	8,000 (9,200)		
	4 pt. outriggers down				33,600x (33,600x)	33,700x (33,700x)	29,200x (29,200x)	25,700x (25,700x)	22,900x (22,900x)	20,400x (20,400x)	18,200x (18,200x)	16,000x (16,000x)		
25	Stabilizers raised			33,200x (33,200x)	38,600x (38,600x)	30,200 (33,400)	23,200 (25,800)	18,300 (20,400)	14,700 (16,500)	11,900 (13,400)	9,700 (11,000)	7,800 (9,100)		
	4 pt. outriggers down			33,200x (33,200x)	38,600x (38,600x)	34,500x (34,500x)	29,700x (29,700x)	26,000x (26,000x)	22,900x (22,900x)	20,400x (20,400x)	18,100x (18,100x)	15,800x (15,800x)		
20	Stabilizers raised	21,500x (21,500x)	38,300x (38,300x)	47,800x (47,800x)	37,300 (41,600)	27,800 (31,000)	21,600 (24,100)	17,200 (19,200)	13,900 (15,600)	11,300 (12,800)	9,300 (10,600)	7,600 (8,800)	6,200 (7,200)	
	4 pt. outriggers down	21,500x (21,500x)	38,300x (38,300x)	47,800x (47,800x)	42,500x (42,500x)	35,300x (35,300x)	30,100x (30,100x)	26,100x (26,100x)	22,900x (22,900x)	20,200x (20,200x)	17,800x (17,800x)	15,500x (15,500x)	12,800x (12,800x)	
15	Stabilizers raised		63,000x (63,000x)	46,200 (52,500)	33,200 (37,500)	25,200 (28,400)	19,800 (22,300)	15,900 (18,000)	13,000 (14,700)	10,700 (12,200)	8,800 (10,200)	7,300 (8,500)	6,000 (7,100)	
	4 pt. outriggers down		63,000x (63,000x)	55,400x (55,400x)	43,600x (43,600x)	35,900x (35,900x)	30,300x (30,300x)	26,100x (26,100x)	22,800x (22,800x)	20,000x (20,000x)	17,500x (17,500x)	15,100x (15,100x)	12,300x (12,300x)	
10	Stabilizers raised		7,400x (7,400x)	39,600 (39,900x)	29,300 (33,400)	22,700 (25,800)	18,100 (20,600)	14,700 (16,800)	12,100 (13,900)	10,000 (11,600)	8,400 (9,700)	7,000 (8,200)	5,800 (6,900)	
	4 pt. outriggers down		7,400x (7,400x)	39,900x (39,900x)	43,800x (43,800x)	35,800x (35,800x)	30,100x (30,100x)	25,800x (25,800x)	22,400x (22,400x)	19,500x (19,500x)	16,900x (16,900x)	14,400x (14,400x)	11,400x (11,400x)	
5	Stabilizers raised		5,200x (5,200x)	18,500x (18,500x)	26,100 (30,100)	20,500 (23,600)	16,600 (19,000)	13,600 (15,600)	11,300 (13,000)	9,500 (11,000)	7,900 (9,300)	6,700 (7,900)	5,700 (6,800)	
	4 pt. outriggers down		5,200x (5,200x)	18,500x (18,500x)	42,600x (42,600x)	35,000x (35,000x)	29,400x (29,400x)	25,200x (25,200x)	21,700x (21,700x)	18,800x (18,800x)	16,100x (16,100x)	13,500x (13,500x)	10,200x (10,200x)	
0	Stabilizers raised		6,400x (6,400x)	15,300x (15,300x)	23,700 (27,700)	18,800 (21,800)	15,300 (17,700)	12,700 (14,700)	10,600 (12,300)	8,900 (10,400)	7,600 (8,900)	6,500 (7,700)		
	4 pt. outriggers down		6,400x (6,400x)	15,300x (15,300x)	35,000x (35,000x)	33,300x (33,300x)	28,100x (28,100x)	24,000x (24,000x)	20,600x (20,600x)	17,700x (17,700x)	15,000x (15,000x)	12,200x (12,200x)		
- 5	Stabilizers raised		8,600x (8,600x)	15,600x (15,600x)	22,300 (26,200)	17,600 (20,500)	14,300 (16,700)	11,900 (13,900)	10,000 (11,800)	8,500 (10,000)	7,300 (8,600)	6,300 (7,500)		
	4 pt. outriggers down		8,600x (8,600x)	15,600x (15,600x)	29,400x (29,400x)	30,500x (30,500x)	26,000x (26,000x)	22,200x (22,200x)	19,000x (19,000x)	16,200x (16,200x)	13,400x (13,400x)	10,400x (10,400x)		
-10	Stabilizers raised			17,200x (17,200x)	21,500 (25,400)	16,900 (19,800)	13,700 (16,100)	11,400 (13,400)	9,700 (11,400)	8,300 (9,800)	7,200 (8,500)			
	4 pt. outriggers down			17,200x (17,200x)	28,400x (28,400x)	26,700x (26,700x)	23,100x (23,100x)	19,800x (19,800x)	16,800x (16,800x)	14,100x (14,100x)	11,300x (11,300x)			
-15	Stabilizers raised				21,300 (24,400x)	16,500 (19,500)	13,400 (15,800)	11,200 (13,100)	9,500 (11,200)	8,200 (9,600)				
	4 pt. outriggers down				24,400x (24,400x)	22,000x (22,000x)	19,300x (19,300x)	16,600x (16,600x)	14,000x (14,000x)	11,300x (11,300x)				
-20	Stabilizers raised													
	4 pt. outriggers down													
-25	Stabilizers raised													
	4 pt. outriggers down													

Industrial Stick 32’10”

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised			27,300x (27,300x)										
	4 pt. outriggers down			27,300x (27,300x)										
70	Stabilizers raised					23,000x (23,000x)								
	4 pt. outriggers down					23,000x (23,000x)								
65	Stabilizers raised					25,600x (25,600x)	22,800x (22,800x)	18,700x (18,700x)						
	4 pt. outriggers down					25,600x (25,600x)	22,800x (22,800x)	18,700x (18,700x)						
60	Stabilizers raised						24,800x (24,800x)	21,000 (22,300x)	16,200 (18,000)					
	4 pt. outriggers down						24,800x (24,800x)	22,300x (22,300x)	18,400x (18,400x)					
55	Stabilizers raised						25,900x (25,900x)	21,600 (23,800)	16,900 (18,700)	13,100 (14,700)				
	4 pt. outriggers down						25,900x (25,900x)	24,200x (24,200x)	21,600x (21,600x)	17,400x (17,400x)				
50	Stabilizers raised						26,700x (26,700x)	21,900 (24,000)	17,200 (19,000)	13,500 (15,100)	10,500 (11,900)			
	4 pt. outriggers down						26,700x (26,700x)	24,400x (24,400x)	22,000x (22,000x)	19,900x (19,900x)	15,600x (15,600x)			
45	Stabilizers raised						27,300x (27,300x)	21,800 (24,000)	17,200 (19,000)	13,600 (15,200)	10,700 (12,100)			
	4 pt. outriggers down						27,300x (27,300x)	24,400x (24,400x)	22,000x (22,000x)	19,900x (19,900x)	17,900x (17,900x)			
40	Stabilizers raised						27,400x (27,400x)	21,500 (23,700)	17,000 (18,800)	13,500 (15,100)	10,700 (12,100)	8,400 (9,600)		
	4 pt. outriggers down						27,400x (27,400x)	24,500x (24,500x)	22,000x (22,000x)	19,900x (19,900x)	17,900x (17,900x)	16,000x (16,000x)		
35	Stabilizers raised						26,800 (27,800x)	20,900 (23,100)	16,600 (18,400)	13,200 (14,800)	10,600 (12,000)	8,400 (9,600)		
	4 pt. outriggers down						27,800x (27,800x)	24,700x (24,700x)	22,100x (22,100x)	19,900x (19,900x)	17,900x (17,900x)	16,000x (16,000x)		
30	Stabilizers raised					29,800x (29,800x)	25,700 (28,200x)	20,100 (22,200)	16,000 (17,800)	12,800 (14,400)	10,300 (11,700)	8,200 (9,500)	6,500 (7,600)	
	4 pt. outriggers down					29,800x (29,800x)	28,200x (28,200x)	24,900x (24,900x)	22,200x (22,200x)	19,900x (19,900x)	17,800x (17,800x)	15,900x (15,900x)	13,800x (13,800x)	
25	Stabilizers raised				29,600x (29,600x)	31,800 (33,100x)	24,300 (26,900)	19,100 (21,200)	15,200 (17,000)	12,200 (13,800)	9,900 (11,300)	8,000 (9,200)	6,400 (7,500)	
	4 pt. outriggers down				29,600x (29,600x)	33,100x (33,100x)	28,800x (28,800x)	25,200x (25,200x)	22,400x (22,400x)	19,900x (19,900x)	17,800x (17,800x)	15,700x (15,700x)	13,600x (13,600x)	
20	Stabilizers raised			30,200x (30,200x)	36,500x (36,500x)	29,400 (32,700)	22,600 (25,200)	17,800 (19,900)	14,300 (16,100)	11,600 (13,100)	9,400 (10,800)	7,600 (8,900)	6,200 (7,300)	
	4 pt. outriggers down			30,200x (30,200x)	36,500x (36,500x)	34,200x (34,200x)	29,300x (29,300x)	25,500x (25,500x)	22,400x (22,400x)	19,900x (19,900x)	17,600x (17,600x)	15,500x (15,500x)	13,300x (13,300x)	
15	Stabilizers raised		52,200x (52,200x)	50,700 (53,500x)	35,600 (40,000)	26,700 (29,900)	20,700 (23,300)	16,500 (18,600)	13,300 (15,100)	10,900 (12,400)	8,900 (10,300)	7,300 (8,500)	5,900 (7,000)	
	4 pt. outriggers down		52,200x (52,200x)	53,500x (53,500x)	42,400x (42,400x)	35,000x (35,000x)	29,700x (29,700x)	25,600x (25,600x)	22,400x (22,400x)	19,700x (19,700x)	17,400x (17,400x)	15,200x (15,200x)	12,900x (12,900x)	
10	Stabilizers raised		21,400x (21,400x)	43,100 (49,300)	31,300 (35,500)	23,900 (27,000)	18,800 (21,300)	15,100 (17,200)	12,300 (14,100)	10,100 (11,700)	8,400 (9,700)	6,900 (8,100)	5,700 (6,800)	
	4 pt. outriggers down		21,400x (21,400x)	55,100x (55,100x)	43,100x (43,100x)	35,300x (35,300x)	29,700x (29,700x)	25,500x (25,500x)	22,200x (22,200x)	19,400x (19,400x)	16,900x (16,900x)	14,700x (14,700x)	12,300x (12,300x)	
5	Stabilizers raised	400x (400x)	8,200x (8,200x)	29,200x (29,200x)	27,400 (31,500)	21,300 (24,400)	17,000 (19,500)	13,900 (15,900)	11,400 (13,100)	9,400 (11,000)	7,900 (9,200)	6,600 (7,800)	5,500 (6,600)	
	4 pt. outriggers down	400x (400x)	8,200x (8,200x)	29,200x (29,200x)	42,800x (42,800x)	34,900x (34,900x)	29,300x (29,300x)	25,100x (25,100x)	21,700x (21,700x)	18,800x (18,800x)	16,300x (16,300x)	13,900x (13,900x)	11,400x (11,400x)	
0	Stabilizers raised	2,300x (2,300x)	7,500x (7,500x)	18,500x (18,500x)	24,400 (28,400)	19,200 (22,200)	15,500 (17,900)	12,700 (14,800)	10,600 (12,300)	8,800 (10,300)	7,400 (8,700)	6,200 (7,400)	5,300 (6,400)	
	4 pt. outriggers down	2,300x (2,300x)	7,500x (7,500x)	18,500x (18,500x)	41,000x (41,000x)	33,800x (33,800x)	28,400x (28,400x)	24,200x (24,200x)	20,800x (20,800x)	18,000x (18,000x)	15,400x (15,400x)	12,900x (12,900x)	10,200x (10,200x)	
- 5	Stabilizers raised	4,600x (4,600x)	8,800x (8,800x)	16,700x (16,700x)	22,300 (26,200)	17,600 (20,600)	14,300 (16,700)	11,800 (13,800)	9,900 (11,600)	8,300 (9,800)	7,000 (8,400)	6,000 (7,200)	5,200 (6,300)	
	4 pt. outriggers down	4,600x (4,600x)	8,800x (8,800x)	16,700x (16,700x)	33,400x (33,400x)	31,600x (31,600x)	26,700x (26,700x)	22,800x (22,800x)	19,500x (19,500x)	16,700x (16,700x)	14,100x (14,100x)	11,600x (11,600x)	8,500x (8,500x)	
-10	Stabilizers raised		10,700x (10,700x)	17,200x (17,200x)	21,100 (25,000)	16,500 (19,500)	13,400 (15,800)	11,100 (13,100)	9,300 (11,100)	7,900 (9,400)	6,800 (8,100)	5,800 (7,000)		
	4 pt. outriggers down		10,700x (10,700x)	17,200x (17,200x)	29,600x (29,600x)	28,500x (28,500x)	24,300x (24,300x)	20,800x (20,800x)	17,700x (17,700x)	15,000x (15,000x)	12,400x (12,400x)	9,700x (9,700x)		
-15	Stabilizers raised			18,600x (18,600x)	20,500 (24,300)	15,900 (18,900)	12,900 (15,300)	10,700 (12,700)	9,000 (10,700)	7,700 (9,200)	6,600 (8,000)			
	4 pt. outriggers down			18,600x (18,600x)	28,100x (28,100x)	24,500x (24,500x)	21,100x (21,100x)	18,100x (18,100x)	15,300x (15,300x)	12,700x (12,700x)	10,100x (10,100x)			
-20	Stabilizers raised					15,700 (18,700)	12,700 (15,000)	10,500 (12,500)	8,900 (10,600)	7,600 (9,100)				
	4 pt. outriggers down					19,400x (19,400x)	17,000x (17,000x)	14,600x (14,600x)	12,200x (12,200x)	9,700x (9,700x)				
-25	Stabilizers raised													
	4 pt. outriggers down													

The lift capacities are stated in lb on the lifting gear’s stick tip, and can be lifted 360° on firm, level supporting surface with closed steering axle. Capacities shown in brackets are valid when the undercarriage is in longitudinal position and are established over the steering axle (travel position) with stabilizers raised, and over rigid axle with stabilizers down. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (x). Lift capacities do not include the weight of a grapple, clamshells, magnet or other lifting devices, which must be deducted from the above figures. Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

Lift Capacities

with Industrial-Type Straight Boom 37'9" (Variant 3B)

Industrial Stick 29'6"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised													
	4 pt. outriggers down													
70	Stabilizers raised				27,500x (27,500x)									
	4 pt. outriggers down				27,500x (27,500x)									
65	Stabilizers raised					26,500x (26,500x)	23,000x (23,000x)							
	4 pt. outriggers down					26,500x (26,500x)	23,000x (23,000x)							
60	Stabilizers raised					25,200x (25,200x)	23,100x (23,100x)	19,900 (21,500x)						
	4 pt. outriggers down					25,200x (25,200x)	23,100x (23,100x)	21,500x (21,500x)						
55	Stabilizers raised						22,400x (22,400x)	20,600 (20,800x)	16,100 (17,900)					
	4 pt. outriggers down						22,400x (22,400x)	20,800x (20,800x)	19,700x (19,700x)					
50	Stabilizers raised						22,100x (22,100x)	20,500x (20,500x)	16,400 (18,200)	12,900 (14,400)				
	4 pt. outriggers down						22,100x (22,100x)	20,500x (20,500x)	19,300x (19,300x)	18,300x (18,300x)				
45	Stabilizers raised						22,100x (22,100x)	20,500x (20,500x)	16,400 (18,200)	13,000 (14,600)	10,200 (11,600)			
	4 pt. outriggers down						22,100x (22,100x)	20,500x (20,500x)	19,200x (19,200x)	18,100x (18,100x)	17,300x (17,300x)			
40	Stabilizers raised					24,600x (24,600x)	22,400x (22,400x)	20,500 (20,700x)	16,200 (18,000)	12,900 (14,500)	10,300 (11,600)			
	4 pt. outriggers down					24,600x (24,600x)	22,400x (22,400x)	20,700x (20,700x)	19,300x (19,300x)	18,100x (18,100x)	17,100x (17,100x)			
35	Stabilizers raised					25,500x (25,500x)	23,100x (23,100x)	19,900 (21,200x)	15,800 (17,600)	12,700 (14,200)	10,200 (11,500)	8,000 (9,300)		
	4 pt. outriggers down					25,500x (25,500x)	23,100x (23,100x)	21,200x (21,200x)	19,600x (19,600x)	18,300x (18,300x)	17,200x (17,200x)	16,300x (16,300x)		
30	Stabilizers raised				30,400x (30,400x)	26,800x (26,800x)	24,000x (24,000x)	19,100 (21,200)	15,200 (17,000)	12,200 (13,800)	9,900 (11,200)	7,900 (9,100)		
	4 pt. outriggers down				30,400x (30,400x)	26,800x (26,800x)	24,000x (24,000x)	21,800x (21,800x)	20,000x (20,000x)	18,600x (18,600x)	17,300x (17,300x)	16,300x (16,300x)		
25	Stabilizers raised			33,600x (33,600x)	33,000x (33,000x)	28,500x (28,500x)	22,800 (25,200x)	18,000 (20,100)	14,500 (16,200)	11,700 (13,200)	9,500 (10,900)	7,700 (8,900)		
	4 pt. outriggers down			33,600x (33,600x)	33,000x (33,000x)	28,500x (28,500x)	25,200x (25,200x)	22,600x (22,600x)	20,600x (20,600x)	18,900x (18,900x)	17,600x (17,600x)	16,400x (16,400x)		
20	Stabilizers raised	23,800x (23,800x)	43,100x (43,100x)	44,400x (44,400x)	36,000x (36,000x)	27,200 (30,400x)	21,200 (23,700)	16,800 (18,900)	13,600 (15,400)	11,100 (12,600)	9,100 (10,400)	7,400 (8,700)	6,100 (7,100)	
	4 pt. outriggers down	23,800x (23,800x)	43,100x (43,100x)	44,400x (44,400x)	36,000x (36,000x)	30,400x (30,400x)	26,500x (26,500x)	23,500x (23,500x)	21,200x (21,200x)	19,400x (19,400x)	17,800x (17,800x)	16,500x (16,500x)	14,900 (15,300x)	
15	Stabilizers raised		25,600x (25,600x)	44,600 (49,800x)	32,300 (36,500)	24,600 (27,700)	19,400 (21,900)	15,600 (17,600)	12,700 (14,500)	10,400 (12,000)	8,600 (10,000)	7,100 (8,300)	5,900 (7,000)	
	4 pt. outriggers down		25,600x (25,600x)	49,800x (49,800x)	39,100x (39,100x)	32,400x (32,400x)	27,800x (27,800x)	24,400x (24,400x)	21,900x (21,900x)	19,800x (19,800x)	18,100x (18,100x)	16,600x (16,600x)	14,700 (15,200x)	
10	Stabilizers raised		5,300x (5,300x)	28,600x (28,600x)	28,300 (32,400)	22,100 (25,100)	17,600 (20,100)	14,400 (16,400)	11,800 (13,600)	9,800 (11,300)	8,200 (9,500)	6,800 (8,000)	5,700 (6,800)	
	4 pt. outriggers down		5,300x (5,300x)	28,600x (28,600x)	41,900x (41,900x)	34,300x (34,300x)	29,100x (29,100x)	25,300x (25,300x)	22,500x (22,500x)	20,200x (20,200x)	18,300x (18,300x)	16,600 (16,700x)	14,600 (15,100x)	
5	Stabilizers raised		4,500x (4,500x)	15,900x (15,900x)	25,200 (29,100)	19,900 (22,900)	16,100 (18,500)	13,200 (15,300)	11,000 (12,700)	9,200 (10,700)	7,700 (9,100)	6,500 (7,700)	5,600 (6,700)	
	4 pt. outriggers down		4,500x (4,500x)	15,900x (15,900x)	44,000x (44,000x)	35,700x (35,700x)	30,100x (30,100x)	26,000x (26,000x)	22,900x (22,900x)	20,500x (20,500x)	18,500x (18,500x)	16,300 (16,700x)	14,400 (14,900x)	
0	Stabilizers raised		6,100x (6,100x)	14,100x (14,100x)	23,000 (26,900)	18,200 (21,200)	14,800 (17,200)	12,300 (14,300)	10,300 (12,000)	8,700 (10,200)	7,400 (8,700)	6,300 (7,500)	5,500 (6,600)	
	4 pt. outriggers down		6,100x (6,100x)	14,100x (14,100x)	30,900x (30,900x)	36,600x (36,600x)	30,700x (30,700x)	26,500x (26,500x)	23,200x (23,200x)	20,600x (20,600x)	18,300 (18,500x)	16,100 (16,500x)	14,300 (14,400x)	
- 5	Stabilizers raised		8,500x (8,500x)	14,900x (14,900x)	21,600 (25,500)	17,100 (20,000)	13,900 (16,300)	11,600 (13,600)	9,800 (11,500)	8,300 (9,800)	7,100 (8,400)	6,200 (7,400)		
	4 pt. outriggers down		8,500x (8,500x)	14,900x (14,900x)	27,200x (27,200x)	36,700x (36,700x)	30,900x (30,900x)	26,600x (26,600x)	23,200x (23,200x)	20,500x (20,500x)	18,000 (18,200x)	15,900 (16,000x)		
- 10	Stabilizers raised			16,800x (16,800x)	21,000 (24,800)	16,400 (19,300)	13,400 (15,700)	11,100 (13,100)	9,400 (11,100)	8,000 (9,500)	7,000 (8,300)			
	4 pt. outriggers down			16,800x (16,800x)	27,000x (27,000x)	36,100x (36,100x)	30,500x (30,500x)	26,200x (26,200x)	22,900x (22,900x)	20,100x (20,100x)	17,600x (17,600x)			
- 15	Stabilizers raised					16,200 (19,100)	13,100 (15,400)	10,900 (12,900)	9,200 (10,900)	7,900 (9,400)				
	4 pt. outriggers down					34,600x (34,600x)	29,400x (29,400x)	25,300x (25,300x)	22,000x (22,000x)	19,200x (19,200x)				
- 20	Stabilizers raised													
	4 pt. outriggers down													
- 25	Stabilizers raised													
	4 pt. outriggers down													

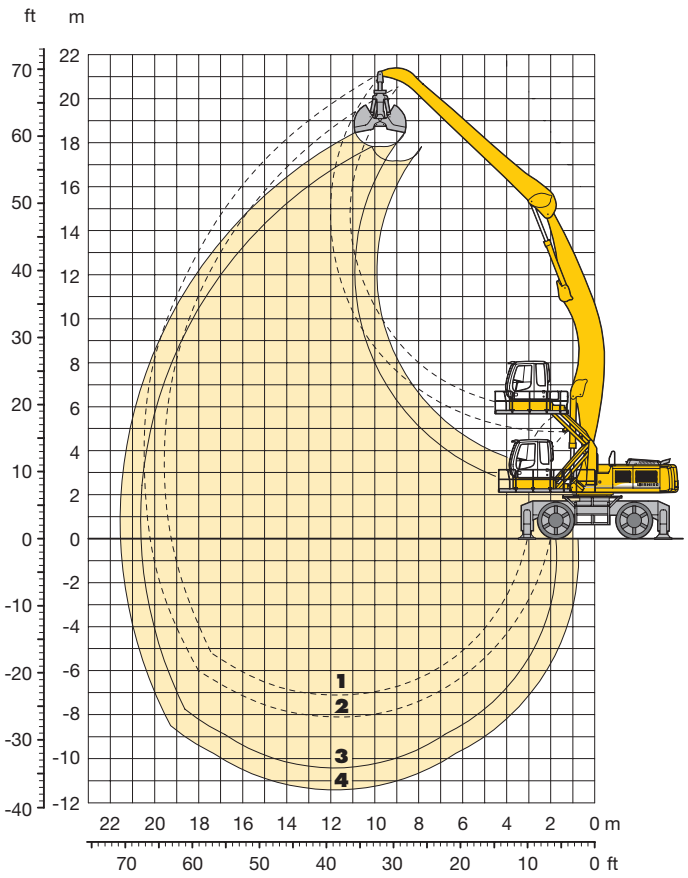
Industrial Stick 32'10"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised				23,700x (23,700x)									
	4 pt. outriggers down				23,700x (23,700x)									
70	Stabilizers raised					24,000x (24,000x)	19,600x (19,600x)							
	4 pt. outriggers down					24,000x (24,000x)	19,600x (19,600x)							
65	Stabilizers raised					24,400x (24,400x)	22,300x (22,300x)	19,900x (19,900x)						
	4 pt. outriggers down					24,400x (24,400x)	22,300x (22,300x)	19,900x (19,900x)						
60	Stabilizers raised						21,300x (21,300x)	19,900x (19,900x)	16,300 (18,100)					
	4 pt. outriggers down						21,300x (21,300x)	19,900x (19,900x)	18,800x (18,800x)					
55	Stabilizers raised						20,800x (20,800x)	19,400x (19,400x)	16,900 (18,300x)	13,200 (14,700)				
	4 pt. outriggers down						20,800x (20,800x)	19,400x (19,400x)	18,300x (18,300x)	17,400x (17,400x)				
50	Stabilizers raised						20,500x (20,500x)	19,100x (19,100x)	17,200 (18,000x)	13,500 (15,100)	10,500 (11,900)			
	4 pt. outriggers down						20,500x (20,500x)	19,100x (19,100x)	18,000x (18,000x)	17,100x (17,100x)	16,300x (16,300x)			
45	Stabilizers raised						20,500x (20,500x)	19,100x (19,100x)	17,100 (17,900x)	13,600 (15,100)	10,700 (12,100)	8,200 (9,500)		
	4 pt. outriggers down						20,500x (20,500x)	19,100x (19,100x)	17,900x (17,900x)	16,900x (16,900x)	16,100x (16,100x)	13,900x (13,900x)		
40	Stabilizers raised						20,900x (20,900x)	19,400x (19,400x)	16,900 (18,100x)	13,400 (15,000)	10,700 (12,100)	8,400 (9,600)		
	4 pt. outriggers down						20,900x (20,900x)	19,400x (19,400x)	18,100x (18,100x)	17,000x (17,000x)	16,100x (16,100x)	15,300x (15,300x)		
35	Stabilizers raised						21,500x (21,500x)	19,800x (19,800x)	16,400 (18,200)	13,100 (14,700)	10,500 (11,900)	8,300 (9,500)	6,400 (7,500)	
	4 pt. outriggers down						21,500x (21,500x)	19,800x (19,800x)	18,400x (18,400x)	17,200x (17,200x)	16,200x (16,200x)	15,300x (15,300x)	12,900x (12,900x)	
30	Stabilizers raised					24,800x (24,800x)	22,400x (22,400x)	19,900 (20,500x)	15,800 (17,600)	12,600 (14,200)	10,200 (11,500)	8,100 (9,300)	6,400 (7,500)	
	4 pt. outriggers down					24,800x (24,800x)	22,400x (22,400x)	20,500x (20,500x)	18,900x (18,900x)	17,500x (17,500x)	16,400x (16,400x)	15,400x (15,400x)	14,500x (14,500x)	
25	Stabilizers raised				29,800x (29,800x)	26,400x (26,400x)	23,500x (23,500x)	18,800 (20,900)	15,000 (16,800)	12,000 (13,600)	9,700 (11,100)	7,800 (9,100)	6,300 (7,400)	
	4 pt. outriggers down				29,800x (29,800x)	26,400x (26,400x)	23,500x (23,500x)	21,300x (21,300x)	19,400x (19,400x)	17,900x (17,900x)	16,600x (16,600x)	15,500x (15,500x)	14,600x (14,600x)	
20	Stabilizers raised			31,100x (31,100x)	33,200x (33,200x)	28,400x (28,400x)	22,200 (24,700)	17,500 (19,600)	14,000 (15,800)	11,400 (12,900)	9,200 (10,600)	7,500 (8,700)	6,100 (7,200)	
	4 pt. outriggers down			31,100x (31,100x)	33,200x (33,200x)	28,400x (28,400x)	24,900x (24,900x)	22,200x (22,200x)	20,100x (20,100x)	18,400x (18,400x)	16,900x (16,900x)	15,700x (15,700x)	14,600x (14,600x)	
15	Stabilizers raised		61,800x (61,800x)	45,600x (45,600x)	34,700 (36,400x)	26,000 (29,200)	20,300 (22,800)	16,100 (18,200)	13,000 (14,800)	10,600 (12,200)	8,700 (10,100)	7,100 (8,300)	5,800 (6,900)	
	4 pt. outriggers down		61,800x (61,800x)	45,600x (45,600x)	36,400x (36,400x)	30,400x (30,400x)	26,300x (26,300x)	23,200x (23,200x)	20,800x (20,800x)	18,900x (18,900x)	17,300x (17,300x)	15,900x (15,900x)	14,700x (14,700x)	
10	Stabilizers raised		13,800x (13,800x)	41,500 (47,600)	30,300 (34,400)	23,200 (26,300)	18,300 (20,800)	14,800 (16,800)	12,000 (13,800)	9,900 (11,400)	8,200 (9,500)	6,700 (7,900)	5,600 (6,700)	
	4 pt. outriggers down		13,800x (13,800x)	50,700x (50,700x)	39,500x (39,500x)	32,400x (32,400x)	27,600x (27,600x)	24,100x (24,100x)	21,400x (21,400x)	19,300x (19,300x)	17,600x (17,600x)	16,100x (16,100x)	14,400 (14,700x)	
5	Stabilizers raised	200x (200x)	6,800x (6,800x)	23,400x (23,400x)	26,400 (30,500)	20,600 (23,700)	16,500 (19,000)	13,500 (15,500)	11,100 (12,800)	9,200 (10,700)	7,700 (9,000)	6,400 (7,600)	5,300 (6,400)	
	4 pt. outriggers down	200x (200x)	6,800x (6,800x)	23,400x (23,400x)	41,900x (41,900x)	34,100x (34,100x)	28,800x (28,800x)	24,900x (24,900x)	22,000x (22,000x)	19,700x (19,700x)	17,800x (17,800x)	16,200x (16,200x)	14,200 (14,700x)	
0	Stabilizers raised	2,300x (2,300x)	7,000x (7,000x)	16,500x (16,500x)	23,500 (27,500)	18,600 (21,600)	15,000 (17,400)	12,400 (14,400)	10,300 (12,000)	8,600 (10,100)	7,200 (8,500)	6,100 (7,300)	5,100 (6,200)	
	4 pt. outriggers down	2,300x (2,300x)	7,000x (7,000x)	16,500x (16,500x)	39,900x (39,900x)	35,300x (35,300x)	29,600x (29,600x)	25,500x (25,500x)	22,400x (22,400x)	20,000x (20,000x)	17,900x (17,900x)	15,900 (16,100x)	14,000 (14,400x)	
- 5	Stabilizers raised		8,500x (8,500x)	15,700x (15,700x)	21,600 (25,500)	17,000 (20,000)	13,900 (16,200)	11,500 (13,400)	9,600 (11,300)	8,100 (9,600)	6,800 (8,200)	5,800 (7,000)	5,000 (6,100)	
	4 pt. outriggers down		8,500x (8,500x)	15,700x (15,700x)	30,300x (30,300x)	35,900x (35,900x)	30,100x (30,100x)	25,900x (25,900x)	22,600x (22,600x)	20,000x (20,000x)	17,800 (17,800x)	15,600 (15,900x)	13,900 (14,000x)	
- 10	Stabilizers raised		10,600x (10,600x)	16,500x (16,500x)	20,500 (24,300)	16,000 (19,000)	13,000 (15,400)	10,800 (12,800)	9,100 (10,800)	7,700 (9,200)	6,600 (7,900)	5,700 (6,900)		
	4 pt. outriggers down		10,600x (10,600x)	16,500x (16,500x)	27,800x (27,800x)	35,700x (35,700x)	30,100x (30,100x)	25,800x (25,800x)	22,500x (22,500x)	19,800x (19,800x)	17,500 (17,500x)	15,400x (15,400x)		
- 15	Stabilizers raised			18,200x (18,200x)	20,000 (23,800)	15,500 (18,400)	12,500 (14,900)	10,400 (12,400)	8,800 (10,500)	7,500 (9,000)	6,400 (7,800)			
	4 pt. outriggers down			18,200x (18,200x)	27,800x (27,800x)	34,800x (34,800x)	29,400x (29,400x)	25,300x (25,300x)	22,000x (22,000x)	19,200x (19,200x)	16,800x (16,800x)			
- 20	Stabilizers raised					15,400 (18,300)	12,400 (14,700)	10,200 (12,200)	8,600 (10,300)					
	4 pt. outriggers down					33,000x (33,000x)	28,100x (28,100x)	24,100x (24,100x)	20,900x (20,900x)					
- 25	Stabilizers raised													
	4 pt. outriggers down													

The lift capacities are stated in lb on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface with closed steering axle. Capacities shown in brackets are valid when the undercarriage is in longitudinal position and are established over the steering axle (travel position) with stabilizers raised, and over rigid axle with stabilizers down. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (x). Lift capacities do not include the weight of a grapple, clamshells, magnet or other lifting devices, which must be deducted from the above figures. Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

Industrial Attachment

with Industrial-Type Gooseneck Boom 37’9”



Attachment Envelope

Kinematic variant 3D

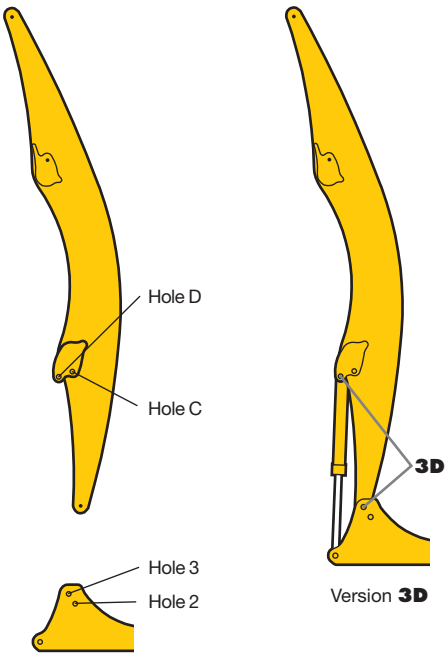
1 with industrial stick 29’ 6”
2 with industrial stick 32’10”
3 with industrial stick 29’ 6” and clamshell model 22 B
4 with industrial stick 32’10” and clamshell model 22 B

Operating Weight

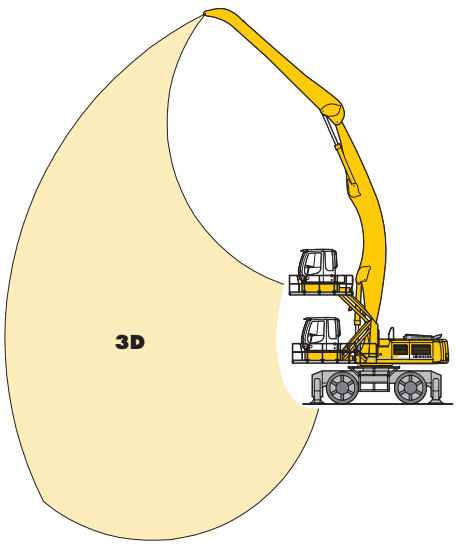
Operating weight includes basic machine and industrial attachment with:

	Weight
Industrial-type gooseneck boom 37’9” Industrial stick 29’6” Clamshell model 22 B/3.30 yd³	167,550 lb
Industrial-type gooseneck boom 37’9” Industrial stick 32’10” Clamshell model 22 B/3.30 yd³	168,300 lb

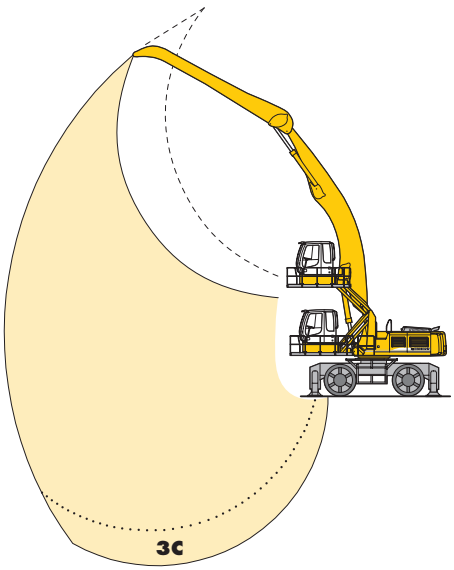
VarioLift Plus



VarioLift Plus: Variable boom mounting positions for optimised lift capacities with a **different** working range



Kinematic variant 3D:
Increased lift capacities below ground level and when working at large outreach



Kinematic variant 3C:
Altered range curve with additional reach depth, e.g. for unloading from ships

Lift Capacities

with Industrial-Type Gooseneck Boom 37'9" (Variant 3D)

Industrial Stick 29'6"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised													
	4 pt. outriggers down													
70	Stabilizers raised													
	4 pt. outriggers down													
65	Stabilizers raised													
	4 pt. outriggers down													
60	Stabilizers raised						20,000x (20,000x)	17,600x (17,600x)						
	4 pt. outriggers down						20,000x (20,000x)	17,600x (17,600x)						
55	Stabilizers raised							18,300x (18,300x)	16,800 (17,200x)					
	4 pt. outriggers down							18,300x (18,300x)	17,200x (17,200x)					
50	Stabilizers raised							18,000x (18,000x)	17,200 (17,200x)	13,500 (15,000)				
	4 pt. outriggers down							18,000x (18,000x)	17,200x (17,200x)	15,900x (15,900x)				
45	Stabilizers raised							17,900x (17,900x)	17,100x (17,100x)	13,700 (15,200)				
	4 pt. outriggers down							17,900x (17,900x)	17,100x (17,100x)	16,400x (16,400x)				
40	Stabilizers raised						19,400x (19,400x)	18,200x (18,200x)	17,000 (17,200x)	13,600 (15,100)	10,800 (12,200)			
	4 pt. outriggers down						19,400x (19,400x)	18,200x (18,200x)	17,200x (17,200x)	16,400x (16,400x)	15,800x (15,800x)			
35	Stabilizers raised						20,100x (20,100x)	18,700x (18,700x)	16,600 (17,600x)	13,300 (14,900)	10,700 (12,000)			
	4 pt. outriggers down						20,100x (20,100x)	18,700x (18,700x)	17,600x (17,600x)	16,600x (16,600x)	15,900x (15,900x)			
30	Stabilizers raised					23,200x (23,200x)	21,100x (21,100x)	19,400x (19,400x)	15,900 (17,700)	12,900 (14,400)	10,400 (11,800)	8,300 (9,600)		
	4 pt. outriggers down					23,200x (23,200x)	21,100x (21,100x)	19,400x (19,400x)	18,100x (18,100x)	17,000x (17,000x)	16,100x (16,100x)	15,400x (15,400x)		
25	Stabilizers raised				28,600x (28,600x)	25,100x (25,100x)	22,400x (22,400x)	18,900 (20,400x)	15,200 (17,000)	12,300 (13,900)	10,000 (11,400)	8,100 (9,300)		
	4 pt. outriggers down				28,600x (28,600x)	25,100x (25,100x)	22,400x (22,400x)	20,400x (20,400x)	18,800x (18,800x)	17,500x (17,500x)	16,400x (16,400x)	15,600x (15,600x)		
20	Stabilizers raised		51,300x (51,300x)	39,100x (39,100x)	32,000x (32,000x)	27,300x (27,300x)	22,100 (23,900x)	17,600 (19,700)	14,300 (16,100)	11,700 (13,200)	9,600 (10,900)	7,800 (9,000)		
	4 pt. outriggers down		51,300x (51,300x)	39,100x (39,100x)	32,000x (32,000x)	27,300x (27,300x)	23,900x (23,900x)	21,500x (21,500x)	19,500x (19,500x)	18,000x (18,000x)	16,800x (16,800x)	15,800x (15,800x)		
15	Stabilizers raised	6,300x (6,300x)	51,300x (51,300x)	45,300x (45,300x)	33,700 (35,600x)	25,700 (28,900)	20,300 (22,800)	16,300 (18,400)	13,300 (15,100)	11,000 (12,500)	9,100 (10,400)	7,500 (8,700)		
	4 pt. outriggers down	6,300x (6,300x)	51,300x (51,300x)	45,300x (45,300x)	35,600x (35,600x)	29,600x (29,600x)	25,600x (25,600x)	22,600x (22,600x)	20,400x (20,400x)	18,600x (18,600x)	17,200x (17,200x)	16,000x (16,000x)		
10	Stabilizers raised	1,100x (1,100x)	13,300x (13,300x)	39,700 (42,900x)	29,700 (33,800)	23,100 (26,200)	18,500 (21,000)	15,100 (17,100)	12,400 (14,100)	10,300 (11,800)	8,600 (9,900)	7,100 (8,300)		
	4 pt. outriggers down	1,100x (1,100x)	13,300x (13,300x)	42,900x (42,900x)	39,100x (39,100x)	31,900x (31,900x)	27,100x (27,100x)	23,700x (23,700x)	21,200x (21,200x)	19,200x (19,200x)	17,600x (17,600x)	16,300x (16,300x)		
5	Stabilizers raised	3,300x (3,300x)	10,100x (10,100x)	23,400x (23,400x)	26,300 (30,300)	20,800 (23,800)	16,800 (19,300)	13,900 (15,900)	11,500 (13,200)	9,600 (11,100)	8,100 (9,400)	6,800 (8,000)		
	4 pt. outriggers down	3,300x (3,300x)	10,100x (10,100x)	23,400x (23,400x)	41,900x (41,900x)	33,900x (33,900x)	28,600x (28,600x)	24,800x (24,800x)	21,900x (21,900x)	19,700x (19,700x)	18,000x (18,000x)	16,500x (16,500x)		
0	Stabilizers raised	6,100x (6,100x)	10,700x (10,700x)	19,500x (19,500x)	23,800 (27,800)	19,000 (21,900)	15,500 (17,900)	12,800 (14,800)	10,700 (12,500)	9,100 (10,600)	7,700 (9,000)	6,500 (7,700)		
	4 pt. outriggers down	6,100x (6,100x)	10,700x (10,700x)	19,500x (19,500x)	37,700x (37,700x)	35,400x (35,400x)	29,700x (29,700x)	25,600x (25,600x)	22,500x (22,500x)	20,200x (20,200x)	18,200x (18,200x)	16,300 (16,600x)		
- 5	Stabilizers raised		12,300x (12,300x)	19,000x (19,000x)	22,300 (26,100)	17,600 (20,600)	14,400 (16,800)	12,000 (14,000)	10,100 (11,800)	8,600 (10,100)	7,300 (8,700)	6,300 (7,500)		
	4 pt. outriggers down		12,300x (12,300x)	19,000x (19,000x)	31,800x (31,800x)	36,300x (36,300x)	30,400x (30,400x)	26,200x (26,200x)	23,000x (23,000x)	20,400x (20,400x)	18,200 (18,400x)	16,000 (16,500x)		
- 10	Stabilizers raised		14,200x (14,200x)	19,900x (19,900x)	21,400 (25,200)	16,800 (19,700)	13,700 (16,100)	11,400 (13,400)	9,700 (11,400)	8,200 (9,700)	7,100 (8,400)	6,200 (7,400)		
	4 pt. outriggers down		14,200x (14,200x)	19,900x (19,900x)	30,100x (30,100x)	36,500x (36,500x)	30,700x (30,700x)	26,400x (26,400x)	23,100x (23,100x)	20,500x (20,500x)	18,000 (18,200x)	15,900 (16,100x)		
- 15	Stabilizers raised			21,200x (21,200x)	21,000 (24,900)	16,400 (19,300)	13,300 (15,700)	11,100 (13,000)	9,400 (11,100)	8,100 (9,500)	7,000 (8,300)			
	4 pt. outriggers down			21,200x (21,200x)	30,200x (30,200x)	36,000x (36,000x)	30,500x (30,500x)	26,200x (26,200x)	22,900x (22,900x)	20,100x (20,100x)	17,700x (17,700x)			
- 20	Stabilizers raised				21,100 (24,900)	16,300 (19,200)	13,200 (15,500)	11,000 (12,900)	9,300 (11,000)	8,000 (9,500)				
	4 pt. outriggers down				31,400x (31,400x)	34,800x (34,800x)	29,600x (29,600x)	25,500x (25,500x)	22,100x (22,100x)	19,300x (19,300x)				
- 25	Stabilizers raised													
	4 pt. outriggers down													

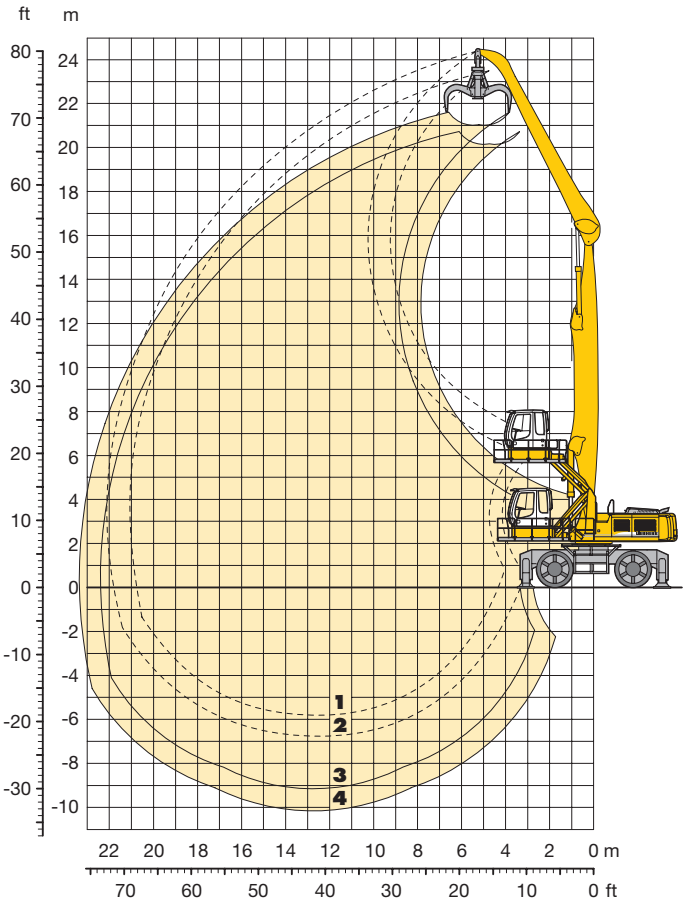
Industrial Stick 32'10"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised													
	4 pt. outriggers down													
70	Stabilizers raised													
	4 pt. outriggers down													
65	Stabilizers raised						18,900x (18,900x)							
	4 pt. outriggers down						18,900x (18,900x)							
60	Stabilizers raised							17,300x (17,300x)	14,700x (14,700x)					
	4 pt. outriggers down							17,300x (17,300x)	14,700x (14,700x)					
55	Stabilizers raised							16,700x (16,700x)	16,100x (16,100x)	13,800 (14,000x)				
	4 pt. outriggers down							16,700x (16,700x)	16,100x (16,100x)	14,000x (14,000x)				
50	Stabilizers raised							16,500x (16,500x)	15,800x (15,800x)	14,200 (15,300x)				
	4 pt. outriggers down							16,500x (16,500x)	15,800x (15,800x)	15,300x (15,300x)				
45	Stabilizers raised							16,500x (16,500x)	15,700x (15,700x)	14,200 (15,100x)	11,300 (12,700)			
	4 pt. outriggers down							16,500x (16,500x)	15,700x (15,700x)	15,100x (15,100x)	14,700x (14,700x)			
40	Stabilizers raised							16,700x (16,700x)	15,900x (15,900x)	14,100 (15,200x)	11,200 (12,600)	8,800 (10,100)		
	4 pt. outriggers down							16,700x (16,700x)	15,900x (15,900x)	15,200x (15,200x)	14,600x (14,600x)	13,200x (13,200x)		
35	Stabilizers raised							17,200x (17,200x)	16,300x (16,300x)	13,800 (15,300)	11,000 (12,400)	8,800 (10,000)		
	4 pt. outriggers down							17,200x (17,200x)	16,300x (16,300x)	15,400x (15,400x)	14,800x (14,800x)	14,200x (14,200x)		
30	Stabilizers raised						19,400x (19,400x)	18,000x (18,000x)	16,500 (16,800x)	13,300 (14,800)	10,700 (12,100)	8,600 (9,800)		
	4 pt. outriggers down						19,400x (19,400x)	18,000x (18,000x)	16,800x (16,800x)	15,800x (15,800x)	15,000x (15,000x)	14,300x (14,300x)		
25	Stabilizers raised					22,800x (22,800x)	20,600x (20,600x)	18,900x (18,900x)	15,700 (17,500x)	12,700 (14,200)	10,300 (11,600)	8,300 (9,500)	6,600 (7,700)	
	4 pt. outriggers down					22,800x (22,800x)	20,600x (20,600x)	18,900x (18,900x)	17,500x (17,500x)	16,300x (16,300x)	15,300x (15,300x)	14,500x (14,500x)	13,700x (13,700x)	
20	Stabilizers raised				28,900x (28,900x)	25,000x (25,000x)	22,200x (22,200x)	18,400 (20,000x)	14,700 (16,500)	12,000 (13,500)	9,700 (11,100)	7,900 (9,100)	6,400 (7,500)	
	4 pt. outriggers down				28,900x (28,900x)	25,000x (25,000x)	22,200x (22,200x)	20,000x (20,000x)	18,300x (18,300x)	16,900x (16,900x)	15,800x (15,800x)	14,800x (14,800x)	14,000x (14,000x)	
15	Stabilizers raised	86,500x (86,500x)	54,700x (54,700x)	40,500x (40,500x)	32,500x (32,500x)	27,200 (27,400x)	21,200 (23,800)	16,900 (19,000)	13,700 (15,500)	11,200 (12,700)	9,200 (10,500)	7,500 (8,700)	6,100 (7,200)	
	4 pt. outriggers down	86,500x (86,500x)	54,700x (54,700x)	40,500x (40,500x)	32,500x (32,500x)	27,400x (27,400x)	23,800x (23,800x)	21,100x (21,100x)	19,100x (19,100x)	17,500x (17,500x)	16,200x (16,200x)	15,100x (15,100x)	14,200x (14,200x)	
10	Stabilizers raised	6,300x (6,300x)	27,800x (27,800x)	43,400 (46,500x)	31,700 (35,900)	24,300 (27,500)	19,200 (21,700)	15,500 (17,600)	12,700 (14,400)	10,400 (11,900)	8,600 (9,900)	7,100 (8,300)	5,800 (6,900)	
	4 pt. outriggers down	6,300x (6,300x)	27,800x (27,800x)	46,500x (46,500x)	36,200x (36,200x)	29,800x (29,800x)	25,400x (25,400x)	22,300x (22,300x)	20,000x (20,000x)	18,100x (18,100x)	16,700x (16,700x)	15,400x (15,400x)	14,400x (14,400x)	
5	Stabilizers raised	5,000x (5,000x)	13,600x (13,600x)	33,900x (33,900x)	27,700 (31,800)	21,600 (24,700)	17,400 (19,800)	14,200 (16,200)	11,700 (13,400)	9,700 (11,200)	8,000 (9,400)	6,700 (7,900)	5,500 (6,600)	
	4 pt. outriggers down	5,000x (5,000x)	13,600x (13,600x)	33,900x (33,900x)	39,300x (39,300x)	31,900x (31,900x)	27,000x (27,000x)	23,400x (23,400x)	20,800x (20,800x)	18,700x (18,700x)	17,100x (17,100x)	15,700x (15,700x)	14,400 (14,500x)	
0	Stabilizers raised	6,400x (6,400x)	11,900x (11,900x)	22,800x (22,800x)	24,600 (28,500)	19,400 (22,400)	15,700 (18,200)	12,900 (15,000)	10,700 (12,500)	9,000 (10,500)	7,500 (8,900)	6,300 (7,500)	5,300 (6,400)	
	4 pt. outriggers down	6,400x (6,400x)	11,900x (11,900x)	22,800x (22,800x)	41,700x (41,700x)	33,700x (33,700x)	28,300x (28,300x)	24,400x (24,400x)	21,500x (21,500x)	19,300x (19,300x)	17,500x (17,500x)	15,900x (15,900x)	14,200 (14,600x)	
- 5	Stabilizers raised	8,300x (8,300x)	12,500x (12,500x)	20,200x (20,200x)	22,400 (26,300)	17,700 (20,700)	14,400 (16,800)	11,900 (13,900)	10,000 (11,700)	8,400 (9,900)	7,100 (8,400)	6,000 (7,200)		
	4 pt. outriggers down	8,300x (8,300x)	12,500x (12,500x)	20,200x (20,200x)	35,700x (35,700x)	34,900x (34,900x)	29,200x (29,200x)	25,100x (25,100x)	22,100x (22,100x)	19,700x (19,700x)	17,700x (17,700x)	15,800 (16,000x)		
- 10	Stabilizers raised	10,200x (10,200x)	13,700x (13,700x)	19,900x (19,900x)	21,000 (24,900)	16,600 (19,500)	13,500 (15,800)	11,200 (13,200)	9,400 (11,100)	7,900 (9,400)	6,800 (8,100)	5,800 (7,000)		
	4 pt. outriggers down	10,200x (10,200x)	13,700x (13,700x)	19,900x (19,900x)	31,400x (31,400x)	35,500x (35,500x)	29,800x (29,800x)	25,600x (25,600x)	22,400x (22,400x)	19,900x (19,900x)	17,700 (17,800x)	15,600 (15,900x)		
- 15	Stabilizers raised		15,200x (15,200x)	20,500x (20,500x)	20,300 (24,100)	15,800 (18,800)	12,800 (15,200)	10,700 (12,600)	9,000 (10,700)	7,600 (9,100)	6,600 (7,900)	5,700 (6,900)		
	4 pt. outriggers down		15,200x (15,200x)	20,500x (20,500x)	30,200x (30,200x)	35,600x (35,600x)	29,900x (29,900x)	25,700x (25,700x)	22,400x (22,400x)	19,800x (19,800x)	17,400 (17,600x)	15,500 (15,500x)		
- 20	Stabilizers raised			21,600x (21,600x)	20,100 (23,900)	15,500 (18,400)	12,500 (14,900)	10,400 (12,400)	8,800 (10,500)	7,500 (9,000)	6,500 (7,800)			
	4 pt. outriggers down			21,600x (21,600x)	30,400x (30,400x)	34,900x (34,900x)	29,400x (29,400x)	25,300x (25,300x)	22,000x (22,000x)	19,300x (19,300x)	16,900x (16,900x)			
- 25	Stabilizers raised					15,600 (18,500)	12,500 (14,800)	10,300 (12,300)	8,700 (10,400)					
	4 pt. outriggers down					33,300x (33,300x)	28,300x (28,300x)	24,300x (24,300x)	21,100x (21,100x)					

The lift capacities are stated in lb on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface with closed steering axle. Capacities shown in brackets are valid when the undercarriage is in longitudinal position and are established over the steering axle (travel position) with stabilizers raised, and over rigid axle with stabilizers down. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (x). Lift capacities do not include the weight of a grapple, clamshells, magnet or other lifting devices, which must be deducted from the above figures. Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

Industrial Attachment

with Industrial-Type Straight Boom 41’



Attachment Envelope

Kinematic variants 2A/3B

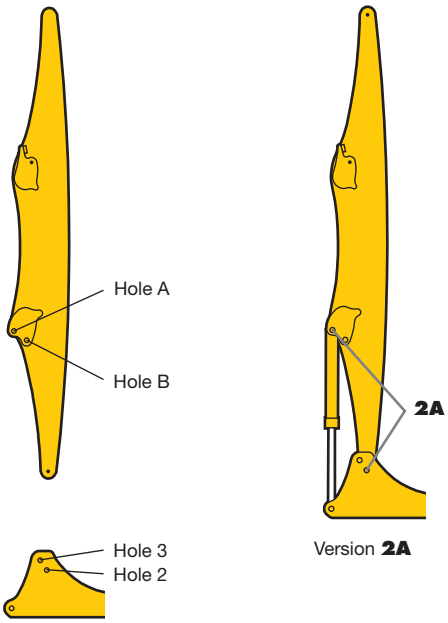
1 with industrial stick 29’ 6”
2 with industrial stick 32’10”
3 with industrial stick 29’ 6” and grapple model 72 B
4 with industrial stick 32’10” and grapple model 72 B

Operating Weight

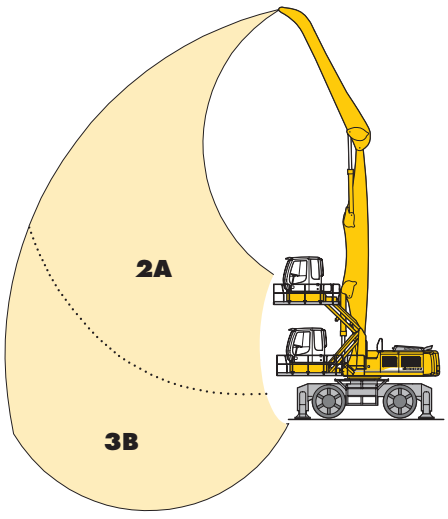
Operating weight includes basic machine and industrial attachment with:

	Weight
Industrial-type straight boom 41’ Industrial stick 29’6” Grapple model 72 B/1.60 yd³ with 5 semi-closed tines	169,200 lb
Industrial-type straight boom 41’ Industrial stick 32’10” Grapple model 72 B/1.60 yd³ with 5 semi-closed tines	170,100 lb

VarioLift Plus

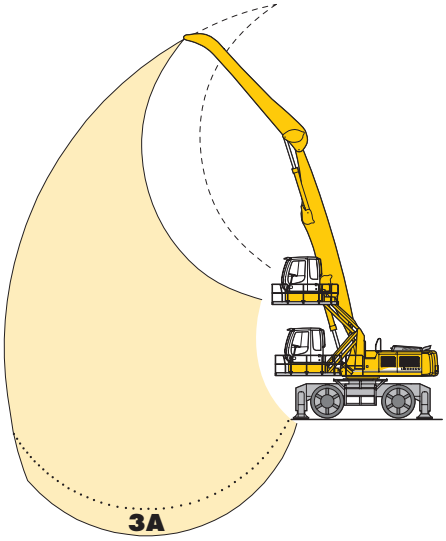


VarioLift Plus: Variable boom mounting positions for optimised lift capacities with **the same** working range



Kinematic variant 2A:
Increased lift capacities above ground level
Kinematic variant 3B:
Increased lift capacities below ground level and when working at large outreach

with a **different** working range



Kinematic variant 3A:
Altered range curve with additional reach depth, e.g. for unloading from ships

Lift Capacities

with Industrial-Type Straight Boom 41′ (Variant 2A)

Industrial Stick 29′6″

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised			29,500x (29,500x)										
	4 pt. outriggers down			29,500x (29,500x)										
70	Stabilizers raised				28,900x (28,900x)	25,300x (25,300x)								
	4 pt. outriggers down				28,900x (28,900x)	25,300x (25,300x)								
65	Stabilizers raised					28,100x (28,100x)	25,200x (25,200x)	19,300 (20,900x)						
	4 pt. outriggers down					28,100x (28,100x)	25,200x (25,200x)	20,900x (20,900x)						
60	Stabilizers raised					29,400x (29,400x)	26,500 (27,600x)	20,400 (22,500)	15,700 (17,500)					
	4 pt. outriggers down					29,400x (29,400x)	27,600x (27,600x)	24,900x (24,900x)	20,700x (20,700x)					
55	Stabilizers raised						26,900 (28,100x)	20,900 (23,000)	16,300 (18,100)	12,600 (14,100)				
	4 pt. outriggers down						28,100x (28,100x)	24,800x (24,800x)	22,100x (22,100x)	19,700x (19,700x)				
50	Stabilizers raised						27,000 (28,000x)	21,000 (23,100)	16,400 (18,300)	12,900 (14,500)	10,000 (11,300)			
	4 pt. outriggers down						28,000x (28,000x)	24,700x (24,700x)	22,100x (22,100x)	19,700x (19,700x)	17,600x (17,600x)			
45	Stabilizers raised					31,600x (31,600x)	26,600 (28,100x)	20,700 (22,900)	16,300 (18,200)	12,900 (14,500)	10,200 (11,500)			
	4 pt. outriggers down					31,600x (31,600x)	28,100x (28,100x)	24,700x (24,700x)	22,000x (22,000x)	19,700x (19,700x)	17,600x (17,600x)			
40	Stabilizers raised					32,600x (32,600x)	26,000 (28,200x)	20,200 (22,400)	16,000 (17,800)	12,700 (14,300)	10,100 (11,500)	7,900 (9,100)		
	4 pt. outriggers down					32,600x (32,600x)	28,200x (28,200x)	24,800x (24,800x)	22,000x (22,000x)	19,700x (19,700x)	17,600x (17,600x)	15,500x (15,500x)		
35	Stabilizers raised					32,800 (33,000x)	25,000 (27,600)	19,500 (21,600)	15,500 (17,300)	12,400 (13,900)	9,900 (11,200)	7,800 (9,000)		
	4 pt. outriggers down					33,000x (33,000x)	28,500x (28,500x)	25,000x (25,000x)	22,100x (22,100x)	19,600x (19,600x)	17,500x (17,500x)	15,500x (15,500x)		
30	Stabilizers raised				36,100x (36,100x)	30,900 (33,600x)	23,600 (26,200)	18,500 (20,600)	14,700 (16,500)	11,800 (13,400)	9,500 (10,900)	7,600 (8,800)	6,000 (7,100)	
	4 pt. outriggers down				36,100x (36,100x)	33,600x (33,600x)	28,800x (28,800x)	25,100x (25,100x)	22,100x (22,100x)	19,600x (19,600x)	17,400x (17,400x)	15,300x (15,300x)	13,200x (13,200x)	
25	Stabilizers raised		30,400x (30,400x)	39,500x (39,500x)	38,500 (41,200x)	28,500 (31,700)	21,900 (24,500)	17,300 (19,400)	13,900 (15,600)	11,200 (12,700)	9,100 (10,400)	7,300 (8,500)	5,800 (6,900)	
	4 pt. outriggers down		30,400x (30,400x)	39,500x (39,500x)	41,200x (41,200x)	34,200x (34,200x)	29,100x (29,100x)	25,200x (25,200x)	22,100x (22,100x)	19,500x (19,500x)	17,200x (17,200x)	15,100x (15,100x)	13,000x (13,000x)	
20	Stabilizers raised		72,800x (72,800x)	48,200 (53,400x)	34,200 (38,500)	25,700 (28,900)	20,000 (22,600)	16,000 (18,000)	12,900 (14,700)	10,500 (12,000)	8,600 (9,900)	7,000 (8,200)	5,600 (6,700)	
	4 pt. outriggers down		72,800x (72,800x)	53,400x (53,400x)	42,100x (42,100x)	34,600x (34,600x)	29,200x (29,200x)	25,100x (25,100x)	21,900x (21,900x)	19300x (19,300x)	16,900x (16,900x)	14,800x (14,800x)	12,600x (12,600x)	
15	Stabilizers raised		4,500x (4,500x)	40,200 (46,300)	29,700 (33,800)	22,900 (26,000)	18,100 (20,600)	14,600 (16,600)	11,900 (13,600)	9,800 (11,300)	8,000 (9,400)	6,600 (7,800)	5,400 (6,500)	
	4 pt. outriggers down		4,500x (4,500x)	46,400x (46,400x)	42,200x (42,200x)	34,500x (34,500x)	29,100x (29,100x)	24,900x (24,900x)	21,600x (21,600x)	18,900x (18,900x)	16,500x (16,500x)	14,400x (14,400x)	12,100x (12,100x)	
10	Stabilizers raised			13,000x (13,000x)	25,500 (29,600)	20,200 (23,200)	16,200 (18,700)	13,300 (15,300)	10,900 (12,700)	9,000 (10,600)	7,500 (8,800)	6,200 (7,400)	5,200 (6,200)	
	4 pt. outriggers down			13,000x (13,000x)	41,300x (41,300x)	33,900x (33,900x)	28,500x (28,500x)	24,400x (24,400x)	21,100x (21,100x)	18,300x (18,300x)	16,000x (16,000x)	13,700x (13,700x)	11,400x (11,400x)	
5	Stabilizers raised		1,000x (1,000x)	9,100x (9,100x)	22,400 (25,700x)	17,900 (20,900)	14,600 (17,000)	12,100 (14,100)	10,000 (11,800)	8,400 (9,900)	7,000 (8,400)	5,900 (7,100)	4,900 (6,000)	
	4 pt. outriggers down		1,000x (1,000x)	9,100x (9,100x)	25,700x (25,700x)	32,400x (32,400x)	27,400x (27,400x)	23,500x (23,500x)	20,200x (20,200x)	17,500x (17,500x)	15,100x (15,100x)	12,900x (12,900x)	10,500x (10,500x)	
0	Stabilizers raised		3,100x (3,100x)	9,200x (9,200x)	20,300 (20,400x)	16,200 (19,200)	13,300 (15,700)	11,100 (13,100)	9,300 (11,000)	7,800 (9,300)	6,600 (7,900)	5,600 (6,800)	4,800 (5,900)	
	4 pt. outriggers down		3,100x (3,100x)	9,200x (9,200x)	20,400x (20,400x)	30,100x (30,100x)	25,700x (25,700x)	22,100x (22,100x)	19,000x (19,000x)	16,400x (16,400x)	14,000x (14,000x)	11,700x (11,700x)	9,200x (9,200x)	
- 5	Stabilizers raised			10,700x (10,700x)	19,100 (19,500x)	15,100 (18,000)	12,400 (14,700)	10,300 (12,300)	8,700 (10,400)	7,400 (8,900)	6,300 (7,600)	5,400 (6,600)	4,700 (5,800)	
	4 pt. outriggers down			10,700x (10,700x)	19,500x (19,500x)	26,900x (26,900x)	23,300x (23,300x)	20,200x (20,200x)	17,400x (17,400x)	14,900x (14,900x)	12,600x (12,600x)	10,200x (10,200x)	7,400x (7,400x)	
-10	Stabilizers raised				18,600 (20,400x)	14,500 (17,400)	11,800 (14,100)	9,800 (11,800)	8,300 (10,000)	7,100 (8,600)	6,100 (7,400)	5,300 (6,500)		
	4 pt. outriggers down				20,400x (20,400x)	22,900x (22,900x)	20,300x (20,300x)	17,700x (17,700x)	15,300x (15,300x)	13,000x (13,000x)	10,700x (10,700x)	8,200x (8,200x)		
-15	Stabilizers raised					14,300 (17,200)	11,500 (13,900)	9,600 (11,500)	8,100 (9,800)	6,900 (8,400)	6,000 (7,300)			
	4 pt. outriggers down					18,200x (18,200x)	16,500x (16,500x)	14,600x (14,600x)	12,600x (12,600x)	10,500x (10,500x)	8,200x (8,200x)			
-20	Stabilizers raised													
	4 pt. outriggers down													
-25	Stabilizers raised													
	4 pt. outriggers down													

Industrial Stick 32′10″

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised				25,700x (25,700x)	21,800x (21,800x)								
	4 pt. outriggers down				25,700x (25,700x)	21,800x (21,800x)								
70	Stabilizers raised					25,000x (25,000x)	22,100x (22,100x)	17,600x (17,600x)						
	4 pt. outriggers down					25,000x (25,000x)	22,100x (22,100x)	17,600x (17,600x)						
65	Stabilizers raised						24,400x (24,400x)	20,700 (21,800x)	15,800 (17,600)					
	4 pt. outriggers down						24,400x (24,400x)	21,800x (21,800x)	17,900x (17,900x)					
60	Stabilizers raised						25,700x (25,700x)	21,500 (23,700)	16,700 (18,500)	12,800 (14,400)				
	4 pt. outriggers down						25,700x (25,700x)	23,900x (23,900x)	21,300x (21,300x)	17,300x (17,300x)				
55	Stabilizers raised						26,500x (26,500x)	21,800 (24,000)	17,100 (18,900)	13,400 (14,900)	10,200 (11,600)			
	4 pt. outriggers down						26,500x (26,500x)	24,100x (24,100x)	21,500x (21,500x)	19,300x (19,300x)	16,000x (16,000x)			
50	Stabilizers raised						27,100x (27,100x)	21,900 (24,000x)	17,200 (19,000)	13,500 (15,100)	10,600 (12,000)	8,000 (9,200)		
	4 pt. outriggers down						27,100x (27,100x)	24,000x (24,000x)	21,400x (21,400x)	19,200x (19,200x)	17,200x (17,200x)	13,700x (13,700x)		
45	Stabilizers raised						27,200x (27,200x)	21,700 (23,800)	17,000 (18,900)	13,500 (15,100)	10,600 (12,000)	8,200 (9,500)		
	4 pt. outriggers down						27,200x (27,200x)	24,000x (24,000x)	21,400x (21,400x)	19,200x (19,200x)	17,200x (17,200x)	15,300x (15,300x)		
40	Stabilizers raised						27,200 (27,400x)	21,100 (23,300)	16,700 (18,500)	13,200 (14,800)	10,500 (11,900)	8,200 (9,500)	6,300 (7,400)	
	4 pt. outriggers down						27,400x (27,400x)	24,100x (24,100x)	21,500x (21,500x)	19,200x (19,200x)	17,200x (17,200x)	15,300x (15,300x)	13,400x (13,400x)	
35	Stabilizers raised					29,200x (29,200x)	26,200 (27,700x)	20,400 (22,500)	16,100 (17,900)	12,800 (14,400)	10,200 (11,600)	8,100 (9,300)	6,300 (7,400)	
	4 pt. outriggers down					29,200x (29,200x)	27,700x (27,700x)	24,300x (24,300x)	21,500x (21,500x)	19,200x (19,200x)	17,100x (17,100x)	15,300x (15,300x)	13,400x (13,400x)	
30	Stabilizers raised					31,500x (31,500x)	24,800 (27,400)	19,300 (21,500)	15,300 (17,100)	12,200 (13,800)	9,800 (11,200)	7,800 (9,000)	6,100 (7,200)	
	4 pt. outriggers down					31,500x (31,500x)	28,000x (28,000x)	24,500x (24,500x)	21,600x (21,600x)	19,200x (19,200x)	17,100x (17,100x)	15,100x (15,100x)	13,300x (13,300x)	
25	Stabilizers raised				32,900x (32,900x)	30,300 (33,200x)	23,100 (25,700)	18,100 (20,200)	14,400 (16,200)	11,500 (13,100)	9,300 (10,700)	7,500 (8,700)	5,900 (7,000)	4,600 (5,600)
	4 pt. outriggers down				32,900x (32,900x)	33,200x (33,200x)	28,400x (28,400x)	24,600x (24,600x)	21,600x (21,600x)	19,100x (19,100x)	16,900x (16,900x)	15,000x (15,000x)	13,100x (13,100x)	10,900x (10,900x)
20	Stabilizers raised	15,300x (15,300x)	30,800x (30,800x)	40,600x (40,600x)	37,000 (41,000x)	27,400 (30,700)	21,100 (23,700)	16,700 (18,800)	13,300 (15,100)	10,800 (12,300)	8,700 (10,100)	7,000 (8,300)	5,600 (6,700)	4,400 (5,400)
	4 pt. outriggers down	15,300x (15,300x)	30,800x (30,800x)	40,600x (40,600x)	41,000x (41,000x)	33,800x (33,800x)	28,600x (28,600x)	24,700x (24,700x)	21,500x (21,500x)	18,900x (18,900x)	16,700x (16,700x)	14,700x (14,700x)	12,800x (12,800x)	10,600x (10,600x)
15	Stabilizers raised		37,600x (37,600x)	44,800 (51,100)	32,200 (36,400)	24,300 (27,500)	19,000 (21,500)	15,200 (17,200)	12,200 (14,000)	10,000 (11,500)	8,100 (9,500)	6,600 (7,800)	5,300 (6,400)	4,200 (5,300)
	4 pt. outriggers down		37,600x (37,600x)	53,100x (53,100x)	41,600x (41,600x)	34,000x (34,000x)	28,600x (28,600x)	24,500x (24,500x)	21,300x (21,300x)	18,700x (18,700x)	16,400x (16,400x)	14,300x (14,300x)	12,400x (12,400x)	10,200x (10,200x)
10	Stabilizers raised		4,500x (4,500x)	26,800x (26,800x)	27,500 (31,600)	21,300 (24,400)	16,900 (19,400)	13,700 (15,700)	11,200 (12,900)	9,100 (10,700)	7,500 (8,900)	6,200 (7,400)	5,000 (6,100)	4,100 (5,100)
	4 pt. outriggers down		4,500x (4,500x)	26,800x (26,800x)	41,300x (41,300x)	33,700x (33,700x)	28,300x (28,300x)	24,200x (24,200x)	20,900x (20,900x)	18,200x (18,200x)	15,900x (15,900x)	13,800x (13,800x)	11,800x (11,800x)	9,500x (9,500x)
5	Stabilizers raised		3,000x (3,000x)	13,000x (13,000x)	23,600 (27,600)	18,700 (21,700)	15,000 (17,500)	12,300 (14,300)	10,100 (11,900)	8,400 (9,900)	6,900 (8,300)	5,700 (6,900)	4,700 (5,800)	3,900 (4,900)
	4 pt. outriggers down		3,000x (3,000x)	13,000x (13,000x)	38,900x (38,900x)	32,700x (32,700x)	27,500x (27,500x)	23,500x (23,500x)	20,300x (20,300x)	17,600x (17,600x)	15,300x (15,300x)	13,100x (13,100x)	11,000x (11,000x)	8,600x (8,600x)
0	Stabilizers raised		4,100x (4,100x)	10,900x (10,900x)	20,800 (24,700x)	16,500 (19,500)	13,500 (15,900)	11,100 (13,100)	9,200 (10,900)	7,700 (9,200)	6,400 (7,800)	5,400 (6,600)	4,500 (5,600)	3,800 (4,800)
	4 pt. outriggers down		4,100x (4,100x)	10,900x (10,900x)	24,700x (24,700x)	30,900x (30,900x)	26,100x (26,100x)	22,400x (22,400x)	19,300x (19,300x)	16,700x (16,700x)	14,300x (14,300x)	12,200x (12,200x)	10,000x (10,000x)	7,300x (7,300x)
- 5	Stabilizers raised		5,900x (5,900x)	11,300x (11,300x)	19,000 (21,200x)	15,000 (18,000)	12,300 (14,600)	10,200 (12,200)	8,500 (10,200)	7,100 (8,600)	6,000 (7,300)	5,100 (6,300)	4,300 (5,400)	3,700 (4,700)
	4 pt. outriggers down		5,900x (5,900x)	11,300x (11,300x)	21,200x (21,200x)	28,300x (28,300x)	24,200x (24,200x)	20,800x (20,800x)	17,900x (17,900x)	15,400x (15,400x)	13,100x (13,100x)	10,900x (10,900x)	8,600x (8,600x)	5,600x (5,600x)
-10	Stabilizers raised			12,700x (12,700x)	17,900 (20,700x)	14,100 (17,000)	11,400 (13,800)	9,500 (11,500)	7,900 (9,600)	6,700 (8,200)	5,700 (7,000)	4,900 (6,100)	4,200 (5,300)	
	4 pt. outriggers down			12,700x (12,700x)	20,700x (20,700x)	24,900x (24,900x)	21,600x (21,600x)	18,700x (18,700x)	16,100x (16,100x)	13,700x (13,700x)	11,500x (11,500x)	9,300x (9,300x)	6,800x (6,800x)	
-15	Stabilizers raised				17,500 (21,300)	13,600 (16,500)	10,900 (13,300)	9,000 (11,000)	7,600 (9,300)	6,400 (7,900)	5,500 (6,800)	4,800 (6,000)		
	4 pt. outriggers down				21,500x (21,500x)	20,700x (20,700x)	18,300x (18,300x)	16,000x (16,000x)	13,700x (13,700x)	11,600x (11,600x)	9,500x (9,500x)	7,200x (7,200x)		
-20	Stabilizers raised					13,400 (15,700x)	10,800 (13,100)	8,900 (10,800)	7,400 (9,100)	6,300 (7,800)				
	4 pt. outriggers down					15,700x (15,700x)	14,300x (14,300x)	12,600x (126,00x)	10,800x (10,800x)	8,900x (8,900x)				
-25	Stabilizers raised													
	4 pt. outriggers down													

The lift capacities are stated in lb on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface with closed steering axle. Capacities shown in brackets are valid when the undercarriage is in longitudinal position and are established over the steering axle (travel position) with stabilizers raised, and over rigid axle with stabilizers down. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (x). Lift capacities do not include the weight of a grapple, clamshells, magnet or other lifting devices, which must be deducted from the above figures. Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

Lift Capacities

with Industrial-Type Straight Boom 41′ (Variant 3B)

Industrial Stick 29′6″

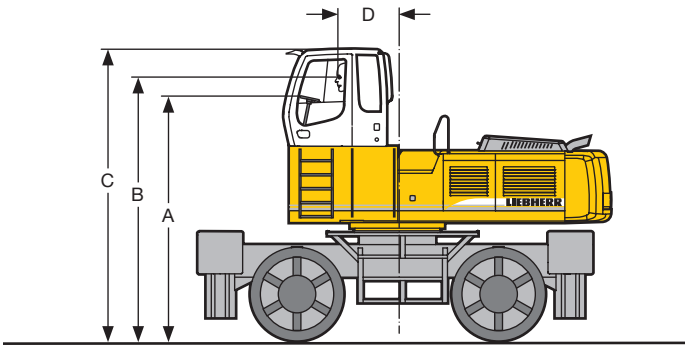
Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised													
	4 pt. outriggers down													
75	Stabilizers raised			30,500x (30,500x)	25,800x (25,800x)									
	4 pt. outriggers down			30,500x (30,500x)	25,800x (25,800x)									
70	Stabilizers raised				29,500x (29,500x)	26,300x (26,300x)	21,700x (21,700x)							
	4 pt. outriggers down				29,500x (29,500x)	26,300x (26,300x)	21,700x (21,700x)							
65	Stabilizers raised					25,300x (25,300x)	22,800x (22,800x)	19,500 (20,900x)						
	4 pt. outriggers down					25,300x (25,300x)	22,800x (22,800x)	20,900x (20,900x)						
60	Stabilizers raised					24,600x (24,600x)	22,100x (22,100x)	20,300x (20,300x)	15,800 (17,600)					
	4 pt. outriggers down					24,600x (24,600x)	22,100x (22,100x)	20,300x (20,300x)	18,900x (18,900x)					
55	Stabilizers raised						21,800x (21,800x)	19,900x (19,900x)	16,300 (18,100)	12,600 (14,200)				
	4 pt. outriggers down						21,800x (21,800x)	19,900x (19,900x)	18,500x (18,500x)	17,300x (17,300x)				
50	Stabilizers raised						21,700x (21,700x)	19,800x (19,800x)	16,400 (18,200)	12,900 (14,400)	10,000 (11,400)			
	4 pt. outriggers down						21,700x (21,700x)	19,800x (19,800x)	18,300x (18,300x)	17,100x (17,100x)	16,100x (16,100x)			
45	Stabilizers raised					24,300x (24,300x)	21,900x (21,900x)	19,900x (19,900x)	16,200 (18,000)	12,800 (14,400)	10,100 (11,500)	7,800 (9,000)		
	4 pt. outriggers down					24,300x (24,300x)	21,900x (21,900x)	19,900x (19,900x)	18,400x (18,400x)	17,100x (17,100x)	16,000x (16,000x)	15,200x (15,200x)		
40	Stabilizers raised					24,900x (24,900x)	22,300x (22,300x)	20,100 (20,200x)	15,800 (17,700)	12,600 (14,200)	10,000 (11,400)	7,800 (9,100)		
	4 pt. outriggers down					24,900x (24,900x)	22,300x (22,300x)	20,200x (20,200x)	18,600x (18,600x)	17,200x (17,200x)	16,000x (16,000x)	15,100x (15,100x)		
35	Stabilizers raised					25,900x (25,900x)	23,000x (23,000x)	19,200 (20,700x)	15,300 (17,100)	12,200 (13,700)	9,700 (11,100)	7,700 (9,000)	6,000 (7,100)	
	4 pt. outriggers down					25,900x (25,900x)	23,000x (23,000x)	20,700x (20,700x)	18,900x (18,900x)	17,400x (17,400x)	16,100x (16,100x)	15,100x (15,100x)	14,200x (14,200x)	
30	Stabilizers raised				31,600x (31,600x)	27,100x (27,100x)	23,200 (23,800x)	18,200 (20,300)	14,500 (16,300)	11,600 (13,200)	9,400 (10,700)	7,500 (8,700)	5,900 (7,000)	
	4 pt. outriggers down				31,600x (31,600x)	27,100x (27,100x)	23,800x (23,800x)	21,300x (21,300x)	19,300x (19,300x)	17,700x (17,700x)	16,300x (16,300x)	15,200x (15,200x)	14,200x (14,200x)	
25	Stabilizers raised		31,400x (31,400x)	41,300x (41,300x)	33,900x (33,900x)	27,900 (28,600x)	21,500 (24,000)	17,000 (19,100)	13,600 (15,400)	11,000 (12,500)	8,900 (10,300)	7,200 (8,400)	5,700 (6,800)	
	4 pt. outriggers down		31,400x (31,400x)	41,300x (41,300x)	33,900x (33,900x)	28,600x (28,600x)	24,800x (24,800x)	22,000x (22,000x)	19,800x (19,800x)	18,000x (18,000x)	16,500x (16,500x)	15,300x (15,300x)	14,200x (14,200x)	
20	Stabilizers raised		63,600x (63,600x)	46,200x (46,200x)	33,200 (36,500x)	25,000 (28,200)	19,600 (22,100)	15,600 (17,700)	12,600 (14,400)	10,300 (11,800)	8,400 (9,700)	6,800 (8,000)	5,500 (6,600)	
	4 pt. outriggers down		63,600x (63,600x)	46,200x (46,200x)	36,500x (36,500x)	30,200x (30,200x)	25,900x (25,900x)	22,800x (22,800x)	20,300x (20,300x)	18,400x (18,400x)	16,800x (16,800x)	15,400x (15,400x)	14,200x (14,200x)	
15	Stabilizers raised			28,200x (28,200x)	28,600 (32,700)	22,100 (25,200)	17,600 (20,000)	14,200 (16,200)	11,600 (13,300)	9,500 (11,000)	7,800 (9,200)	6,400 (7,600)	5,200 (6,300)	
	4 pt. outriggers down			28,200x (28,200x)	39,000x (39,000x)	31,900x (31,900x)	27,000x (27,000x)	23,500x (23,500x)	20,800x (20,800x)	18,700x (18,700x)	17,000x (17,000x)	15,500x (15,500x)	14,100 (14,200x)	
10	Stabilizers raised			10,300x (10,300x)	24,500 (28,500)	19,400 (22,500)	15,700 (18,100)	12,800 (14,900)	10,600 (12,300)	8,800 (10,300)	7,300 (8,600)	6,000 (7,200)	5,000 (6,100)	
	4 pt. outriggers down			10,300x (10,300x)	38,400x (38,400x)	33,200x (33,200x)	28,000x (28,000x)	24,200x (24,200x)	21,300x (21,300x)	19,000x (19,000x)	17,200x (17,200x)	15,600x (15,600x)	13,900 (14,200x)	
5	Stabilizers raised		600x (600x)	8,000x (8,000x)	21,400 (22,200x)	17,200 (20,200)	14,100 (16,500)	11,700 (13,700)	9,700 (11,400)	8,100 (9,600)	6,800 (8,100)	5,700 (6,900)	4,800 (5,900)	
	4 pt. outriggers down		600x (600x)	8,000x (8,000x)	22,200x (22,200x)	34,100x (34,100x)	28,600x (28,600x)	24,700x (24,700x)	21,600x (21,600x)	19,200x (19,200x)	17,300x (17,300x)	15,500 (15,600x)	13,600 (14,100x)	
0	Stabilizers raised		3,000x (3,000x)	8,600x (8,600x)	18,700x (18,700x)	15,600 (18,600)	12,800 (15,200)	10,700 (12,700)	9,000 (10,700)	7,600 (9,000)	6,400 (7,700)	5,400 (6,600)	4,600 (5,700)	
	4 pt. outriggers down		3,000x (3,000x)	8,600x (8,600x)	18,700x (18,700x)	34,500x (34,500x)	29,000x (29,000x)	24,900x (24,900x)	21,800x (21,800x)	19,300x (19,300x)	17,200x (17,200x)	15,200 (15,500x)	13,400 (13,800x)	
- 5	Stabilizers raised			10,400x (10,400x)	18,500 (18,500x)	14,600 (17,500)	11,900 (14,300)	10,000 (11,900)	8,400 (10,100)	7,100 (8,600)	6,100 (7,400)	5,200 (6,400)	4,500 (5,600)	
	4 pt. outriggers down			10,400x (10,400x)	18,500x (18,500x)	34,200x (34,200x)	28,900x (28,900x)	24,800x (24,800x)	21,700x (21,700x)	19,200x (19,200x)	17,000 (17,000x)	15,000 (15,100x)	13,200x (13,200x)	
-10	Stabilizers raised				18,100 (19,600x)	14,100 (17,000)	11,400 (13,800)	9,500 (11,500)	8,000 (9,700)	6,800 (8,300)	5,900 (7,200)	5,100 (6,300)		
	4 pt. outriggers down				19,600x (19,600x)	32,700x (32,700x)	28,300x (28,300x)	24,400x (24,400x)	21,300x (21,300x)	18,700x (18,700x)	16,500x (16,500x)	14,500x (14,500x)		
-15	Stabilizers raised					13,900 (16,800)	11,200 (13,500)	9,300 (11,200)	7,800 (9,500)	6,700 (8,200)	5,800 (7,100)			
	4 pt. outriggers down					31,600x (31,600x)	27,100x (27,100x)	23,500x (23,500x)	20,500x (20,500x)	17,900x (17,900x)	15,700x (15,700x)			
-20	Stabilizers raised													
	4 pt. outriggers down													
-25	Stabilizers raised													
	4 pt. outriggers down													

Industrial Stick 32′10″

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)												
		10	15	20	25	30	35	40	45	50	55	60	65	70
80	Stabilizers raised			26,800x (26,800x)										
	4 pt. outriggers down			26,800x (26,800x)										
75	Stabilizers raised				26,400x (26,400x)	22,900x (22,900x)								
	4 pt. outriggers down				26,400x (26,400x)	22,900x (22,900x)								
70	Stabilizers raised					24,700x (24,700x)	22,200x (22,200x)	19,000x (19,000x)						
	4 pt. outriggers down					24,700x (24,700x)	22,200x (22,200x)	19,000x (19,000x)						
65	Stabilizers raised						21,300x (21,300x)	19,500x (19,500x)	16,000 (17,800)					
	4 pt. outriggers down						21,300x (21,300x)	19,500x (19,500x)	18,200x (18,200x)					
60	Stabilizers raised						20,800x (20,800x)	19,000x (19,000x)	16,700 (17,600x)	12,900 (14,500)				
	4 pt. outriggers down						20,800x (20,800x)	19,000x (19,000x)	17,600x (17,600x)	16,600x (16,600x)				
55	Stabilizers raised						20,500x (20,500x)	18,800x (18,800x)	17,100 (17,400x)	13,400 (14,900)	10,300 (11,700)			
	4 pt. outriggers down						20,500x (20,500x)	18,800x (18,800x)	17,400x (17,400x)	16,200x (16,200x)	15,300x (15,300x)			
50	Stabilizers raised						20,400x (20,400x)	18,700x (18,700x)	17,100 (17,300x)	13,500 (15,100)	10,600 (11,900)	8,000 (9,300)		
	4 pt. outriggers down						20,400x (20,400x)	18,700x (18,700x)	17,300x (17,300x)	16,100x (16,100x)	15,100x (15,100x)	14,400x (14,400x)		
45	Stabilizers raised						20,600x (20,600x)	18,800x (18,800x)	16,900 (17,300x)	13,400 (15,000)	10,600 (11,900)	8,200 (9,400)		
	4 pt. outriggers down						20,600x (20,600x)	18,800x (18,800x)	17,300x (17,300x)	16,100x (16,100x)	15,100x (15,100x)	14,200x (14,200x)		
40	Stabilizers raised						21,000x (21,000x)	19,100x (19,100x)	16,500 (17,500x)	13,100 (14,700)	10,400 (11,800)	8,200 (9,400)	6,200 (7,300)	
	4 pt. outriggers down						21,000x (21,000x)	19,100x (19,100x)	17,500x (17,500x)	16,200x (16,200x)	15,100x (15,100x)	14,200x (14,200x)	13,400x (13,400x)	
35	Stabilizers raised					24,200x (24,200x)	21,600x (21,600x)	19,500x (19,500x)	15,900 (17,700)	12,600 (14,200)	10,100 (11,500)	8,000 (9,200)	6,200 (7,300)	
	4 pt. outriggers down					24,200x (24,200x)	21,600x (21,600x)	19,500x (19,500x)	17,800x (17,800x)	16,400x (16,400x)	15,300x (15,300x)	14,300x (14,300x)	13,400x (13,400x)	
30	Stabilizers raised					25,400x (25,400x)	22,400x (22,400x)	19,000 (20,100x)	15,100 (16,900)	12,000 (13,600)	9,600 (11,000)	7,700 (8,900)	6,000 (7,100)	4,600 (5,600)
	4 pt. outriggers down					25,400x (25,400x)	22,400x (22,400x)	20,100x (20,100x)	18,300x (18,300x)	16,700x (16,700x)	15,500x (15,500x)	14,400x (14,400x)	13,400x (13,400x)	12,500x (12,500x)
25	Stabilizers raised			27,600x (27,600x)	31,500x (31,500x)	26,900x (26,900x)	22,700 (23,400x)	17,700 (19,900)	14,100 (15,900)	11,300 (12,900)	9,100 (10,500)	7,300 (8,500)	5,800 (6,900)	4,500 (5,500)
	4 pt. outriggers down			27,600x (27,600x)	31,500x (31,500x)	26,900x (26,900x)	23,400x (23,400x)	20,800x (20,800x)	18,800x (18,800x)	17,100x (17,100x)	15,700x (15,700x)	14,500x (14,500x)	13,500x (13,500x)	12,500x (12,500x)
20	Stabilizers raised		35,000x (35,000x)	42,500x (42,500x)	34,100x (34,100x)	26,700 (28,500x)	20,600 (23,200)	16,300 (18,400)	13,000 (14,800)	10,500 (12,100)	8,500 (9,900)	6,900 (8,100)	5,500 (6,600)	4,300 (5,300)
	4 pt. outriggers down		35,000x (35,000x)	42,500x (42,500x)	34,100x (34,100x)	28,500x (28,500x)	24,600x (24,600x)	21,600x (21,600x)	19,300x (19,300x)	17,500x (17,500x)	16,000x (16,000x)	14,700x (14,700x)	13,600x (13,600x)	12,400 (12,500x)
15	Stabilizers raised		16,500x (16,500x)	43,000 (46,900x)	31,000 (35,300)	23,600 (26,700)	18,500 (21,000)	14,700 (16,800)	11,900 (13,700)	9,700 (11,200)	7,900 (9,300)	6,400 (7,600)	5,200 (6,300)	4,100 (5,100)
	4 pt. outriggers down		16,500x (16,500x)	46,900x (46,900x)	36,700x (36,700x)	30,200x (30,200x)	25,700x (25,700x)	22,400x (22,400x)	19,900x (19,900x)	17,900x (17,900x)	16,200x (16,200x)	14,800x (14,800x)	13,600x (13,600x)	12,200 (12,500x)
10	Stabilizers raised		3,000x (3,000x)	19,600x (19,600x)	26,400 (30,400)	20,500 (23,600)	16,400 (18,800)	13,200 (15,300)	10,800 (12,600)	8,900 (10,400)	7,300 (8,600)	6,000 (7,200)	4,900 (6,000)	3,900 (4,900)
	4 pt. outriggers down		3,000x (3,000x)	19,600x (19,600x)	38,900x (38,900x)	31,700x (31,700x)	26,700x (26,700x)	23,100x (23,100x)	20,400x (20,400x)	18,200x (18,200x)	16,500x (16,500x)	15,000x (15,000x)	13,700x (13,700x)	12,000 (12,400x)
5	Stabilizers raised		2,500x (2,500x)	11,100x (11,100x)	22,600 (26,500)	17,900 (20,900)	14,500 (16,900)	11,900 (13,900)	9,800 (11,500)	8,100 (9,600)	6,700 (8,000)	5,500 (6,700)	4,600 (5,700)	3,700 (4,700)
	4 pt. outriggers down		2,500x (2,500x)	11,100x (11,100x)	31,600x (31,600x)	32,800x (32,800x)	27,500x (27,500x)	23,700x (23,700x)	20,800x (20,800x)	18,500x (18,500x)	16,600x (16,600x)	15,000x (15,000x)	13,400 (13,600x)	11,800 (12,300x)
0	Stabilizers raised		3,800x (3,800x)	10,000x (10,000x)	19,900 (22,000x)	15,900 (18,800)	13,000 (15,300)	10,700 (12,700)	8,900 (10,600)	7,400 (8,900)	6,200 (7,500)	5,200 (6,400)	4,300 (5,400)	3,600 (4,600)
	4 pt. outriggers down		3,800x (3,800x)	10,000x (10,000x)	22,000x (22,000x)	33,500x (33,500x)	28,100x (28,100x)	24,100x (24,100x)	21,100x (21,100x)	18,700x (18,700x)	16,700x (16,700x)	15,000 (15,000x)	13,200 (13,500x)	11,700 (11,900x)
- 5	Stabilizers raised		5,800x (5,800x)	10,800x (10,800x)	18,200 (19,700x)	14,500 (17,400)	11,800 (14,200)	9,800 (11,800)	8,200 (9,900)	6,900 (8,400)	5,800 (7,100)	4,900 (6,100)	4,100 (5,200)	3,500 (4,500)
	4 pt. outriggers down		5,800x (5,800x)	10,800x (10,800x)	19,700x (19,700x)	33,600x (33,600x)	28,200x (28,200x)	24,200x (24,200x)	21,100x (21,100x)	18,600x (18,600x)	16,600x (16,600x)	14,600 (14,800x)	13,000 (13,200x)	11,400x (11,400x)
-10	Stabilizers raised			12,400x (12,400x)	17,300 (19,800x)	13,600 (16,500)	11,000 (13,400)	9,100 (11,100)	7,700 (9,300)	6,500 (7,900)	5,500 (6,800)	4,700 (5,900)	4,000 (5,100)	
	4 pt. outriggers down			12,400x (12,400x)	19,800x (19,800x)	33,100x (33,100x)	27,900x (27,900x)	24,000x (24,000x)	20,900x (20,900x)	18,400x (18,400x)	16,300x (16,300x)	14,400 (14,400x)	12,600x (12,600x)	
-15	Stabilizers raised				17,000 (20,800)	13,100 (16,000)	10,600 (12,900)	8,700 (10,700)	7,300 (9,000)	6,200 (7,700)	5,300 (6,600)	4,600 (5,800)		
	4 pt. outriggers down				20,900x (20,900x)	31,900x (31,900x)	27,100x (27,100x)	23,400x (23,400x)	20,400x (20,400x)	17,900x (17,900x)	15,700x (15,700x)	13,700x (13,700x)		
-20	Stabilizers raised						10,400 (12,800)	8,600 (10,500)	7,200 (8,900)	6,100 (7,600)				
	4 pt. outriggers down						25,700x (25,700x)	22,200x (22,200x)	19,400x (19,400x)	16,900x (16,900x)				
-25	Stabilizers raised													
	4 pt. outriggers down													

The lift capacities are stated in lb on the lifting gear's stick tip, and can be lifted 360° on firm, level supporting surface with closed steering axle. Capacities shown in brackets are valid when the undercarriage is in longitudinal position and are established over the steering axle (travel position) with stabilizers raised, and over rigid axle with stabilizers down. Indicated loads are based on ISO 10567 standard and do not exceed 75 % of tipping or 87 % of hydraulic capacity (x). Lift capacities do not include the weight of a grapple, clamshells, magnet or other lifting devices, which must be deducted from the above figures. Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

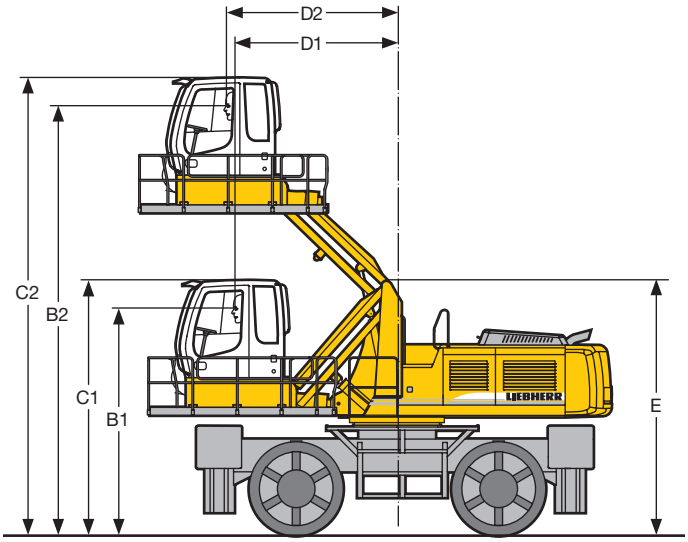
Choice of Cab Elevation and Cab Protection



Rigid Cab Elevation

Height	3'11"	4'11"	6'7"
A	14' 5"	15' 5"	17'1"
B	15' 6"	16' 6"	18'2"
C	17' 2"	18' 2"	19'9"
D	3' 8"	3' 8"	3'8"

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.

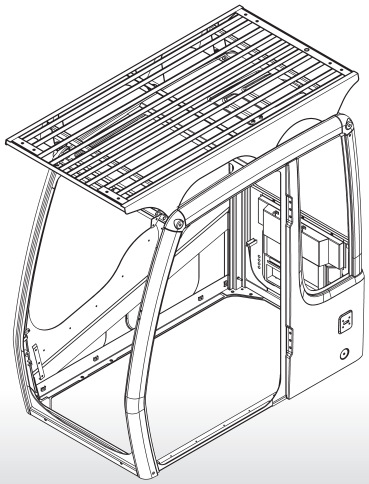


Hydraulic Cab Elevation Parallelogram + Intermediate Piece 1'7"

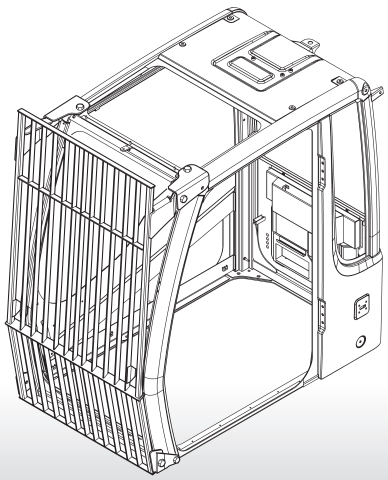
B1	13' 3"
B2	24'11"
C1	14'10"
C2	26' 7"
D1	9' 6"
D2	9'12"
E	14'10"

The parallelogram cab raiser allows the operator to choose his eye level between dimensions B1 and B2. For a transport height lower than C1 the shell of the cab can be removed. The overall height is then E.

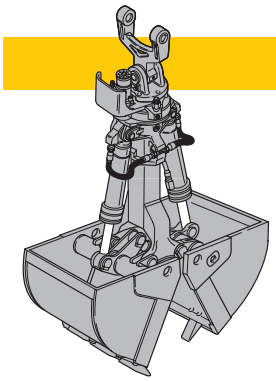
Grille above



Grilles in front

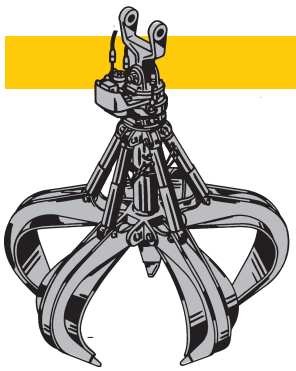


Variety of Tools



Shells for Loose Material

		Clamshell Model 22		Shells for loose material with cutting edge (without teeth)
Cutting width of shells	ft in	4'11"	4'11"	6'7"
Capacity	yd³	2.40	2.90	3.30
For loose material, specific weight up to	lb/yd³	2,500	2,000	1,700
Total weight	lb	5,049	5,159	5,732

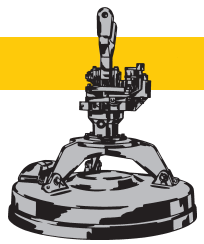


Multiple Tine Grapples

			open tines			semi-closed tines			closed tines		
Grapple model 72 B	Capacity	yd³	1.60	1.80	2.10	1.60	1.80	2.10	1.60	1.80	2.10
(4 tines)	Weight	lb	4,255	4,288	4,332	4,696	4,784	4,828	5,269	5,400	5,490
Grapple model 72 B	Capacity	yd³	1.60	1.80	2.10	1.60	1.80	2.10	1.60	1.80	2.10
(5 tines)	Weight	lb	5,247	5,313	5,357	5,842	5,930	5,997	6,548	6,724	6,834

Crane Hook with Suspension

Max. load	lb	27,558
Height with suspension	ft in	4'1"
Total weight	lb	584



Electro Magnets with Suspension

Magnet information on request

Equipment

Undercarriage

	s	o
Two circuit travel brake with accumulator	•	
Wide tires		
Travel motor protection		
Clam travel bracket with outriggers/prop-up blade down on one side only		
Creeper speed electrically switchable from cab	•	
New tires	•	
Service free parking brake inside transmission	•	
Independent outrigger control		•
Choice of tires		•
Auto check valve directly on each stabilizer cylinder	•	
Proportional power steering	•	
Customized colors		•
Two lockable storage boxes		•
Lockable storage box additional		•
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 gas strut	•	
Pedal controlled positioning swing brake	•	
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 filteration (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		•
Additional hydraulic circuits		•

Engine

	s	o
After-cooled	•	
Unit pump system	•	
Turbo charger	•	
Dry-type air cleaner w/pre-cleaner, main and safety element	•	
Air filter with automatic dust ejector	•	
Sensor controlled engine idling	•	
Engine cold starting aid		•

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	•	
Inside rear mirror	•	
Cab heater with defroster	•	
Clothes hook	•	
Air conditioning	•	
Electric cool box		•
Steering wheel adjustable	•	
Bullet proof window (fixed installation – cannot be opened)		•
Stereo radio		•
Preparation for radio installation		•
Rain hood over front window opening	•	
Beacon		•
All tinted windows	•	
Door with sliding window	•	
Optical and acoustical warning if outriggers are not fully retracted		•
Auxiliary heating		•
Sun roller blind	•	
Electronic drive away lock		•
Wiper/washer	•	
Cigarette lighter and ashtray	•	
Additional flood lights		•

Attachment

	s	o
Working lights	•	
Hydr. lines for clam operation in stick	•	
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, regenerative	•	
Safety check valves on stick cylinder, regenerative	•	
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.

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