

Technical Description Hydraulic Excavator

A 914 B
Litronic®

Operating Weight 41,650 - 47,850 lb
Engine Output 152 HP (112 kW)
Bucket Capacity 0.39 - 1.83 cuyd



LIEBHERR

Technical Data



Engine

Rating per ISO 9249	152 HP (112 kW) at 2000 RPM
Model	Liebherr D 924 TI-E
Type	4 cylinder in-line
Bore/Stroke	4.8/5.6"
Displacement	1.74 gal
Engine operation	4-stroke diesel direct injection turbo-charged after-cooled reduced emissions
Cooling system	water radiator with integrated engine oil cooler
Air cleaner	dry-type air cleaner with pre-cleaner, primary and safety elements
Fuel tank	95 gal
Engine idling	sensor controlled
Electrical system	
Voltage	24 V
Batteries	2 x 110 Ah/12 V
Starter	24 V/5.4 kW
Alternator	24 V/55 A



Hydraulic System

Hydraulic pump	Liebherr, variable displacement, swashplate pump
Max. flow	2 x 35 gpm
Max. pressure	5075 PSI
Hydraulic pump regulation and control	Liebherr-Synchro-Comfort-system (LSC) with electronic engine speed sensing regulation, pressure and flow compensation, load sensing and torque controlled swing drive priority
Hydraulic tank	61 gal
Hydraulic system	max. 116 gal
Hydraulic oil filter	1 full flow filter in return line with integrated fine filter area (5 µm)
Hydraulic oil cooler	compact cooler, consisting of a water cooler, sandwiched with hydraulic oil cooler and after-cooler cores and hydrostatically driven fan
MODE selection	adjustment of machine performance and the hydraulics via a mode selector to match application
LIFT	for lifting
FINE	for precision work and lifting through very sensitive movements
ECO	for especially economical and environmentally friendly operation
POWER	for maximum digging power and heavy duty jobs
Super-Finish	adjustable working speed for precision work
R.P.M. adjustment	stepless adjustment of engine output via the r.p.m. at each selected mode
Additional menu	4 adjustable oil flows, for optional accessories



Hydraulic Controls

Power distribution	via control valve with integrated safety valves, simultaneous and independent operation of travel drive, swing drive and work attachment
Control type	
Attachment and swing	proportional via joystick levers
Travel	proportional via foot pedal
Additional functions	via switch and/or proportional foot pedals



Swing Drive

Drive	Liebherr swashplate motor with integrated control valve and torque control
Transmission	Liebherr compact planetary reduction gear
Swing ring	Liebherr sealed single race ball bearing swing ring, internal teeth
Swing speed	0–9.0 RPM
Swing torque	66 kNm
Holding brake	wet discs (spring applied – pressure released)
Option	pedal controlled positioning brake



Operator's Cab

Cab	built from deep drawn components, 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 seat
Joysticks	integrated into adjustable seat 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
Heater/Airconditioner	combined hotwater/airconditioner with dust filter for fresh or circulated airflow
Noise emission	
ISO 6396	L_{pA} (inside cab) = 74 dB(A)
2000/14/EC	L_{wA} (surround noise) = 102 dB(A)



Undercarriage

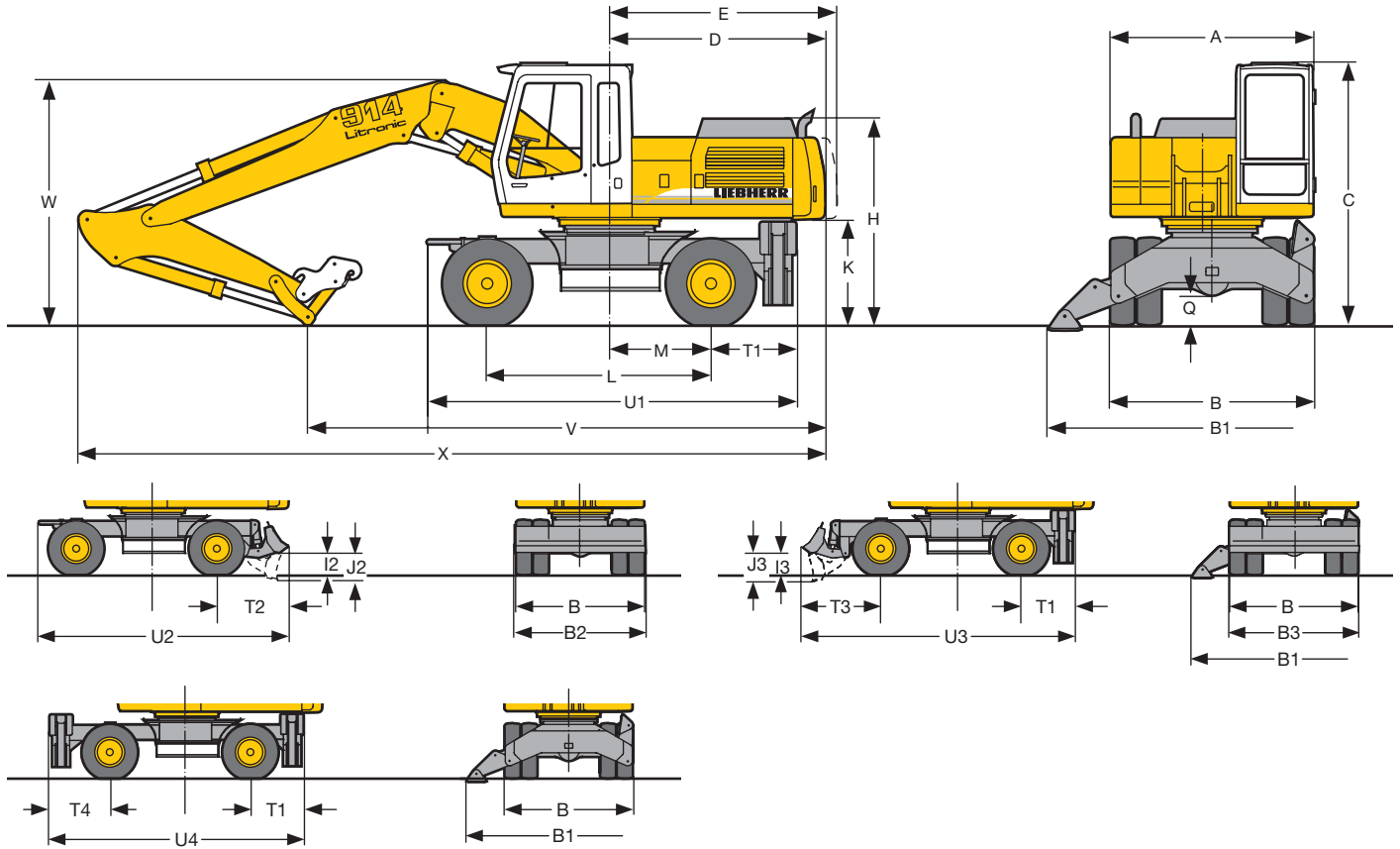
Drive	variable flow swashplate motor with automatic brake valve
Transmission	oversized two speed power shift transmission with additional creeper speed
Travel speed	0– 1.6 mph (creeper speed off road) 0– 1.3 mph (off road) 0– 5.6 mph (creeper speed on road) 0–12.4 mph (road travel) 0–18.6 mph "Speeder" (option)
Axes	88,200 lb excavator axles; automatic or operator controlled front axle oscillation lock
Brakes	wet, maintenance-free multi disc brakes act as travel brakes or digging locks. Spring applied/pressure released parking brake integrated into gearbox
Stabilization	prop up blade (adjustable during travel for dozing) 2 point outriggers prop up blade + 2 pt. outriggers 4 point outriggers



Attachment

Hydraulic cylinders	Liebherr cylinders with special seal system. Shock absorption
Pivots	sealed, low maintenance
Lubrication	via grease distributor and a grease nipple installed on the uppercarriage
Bucket	standard equipped with 26,500 lb safety hook for lifting
Option	Liebherr quick change adapter

Dimensions



	ft-in
A	8' 2"
B	8' 2"
B1	13' 2"
B2	8' 2"
B3	8' 2"
C	10' 6"
D	8' 8"
E	9' 1"
H	8' 3"
I2	1' 4"
I3	1' 4"
J2	1' 8"
J3	1' 8"
K	4' 3"
L	9' 0"
M	4' 1"
Q	1' 2"
T1	3' 5"
T2	4' 7"
T3	5' 1"
T4	3' 10"
U1	14' 10"
U2	16' 1"
U3	17' 6"
U4	16' 4"

E = Tail radius

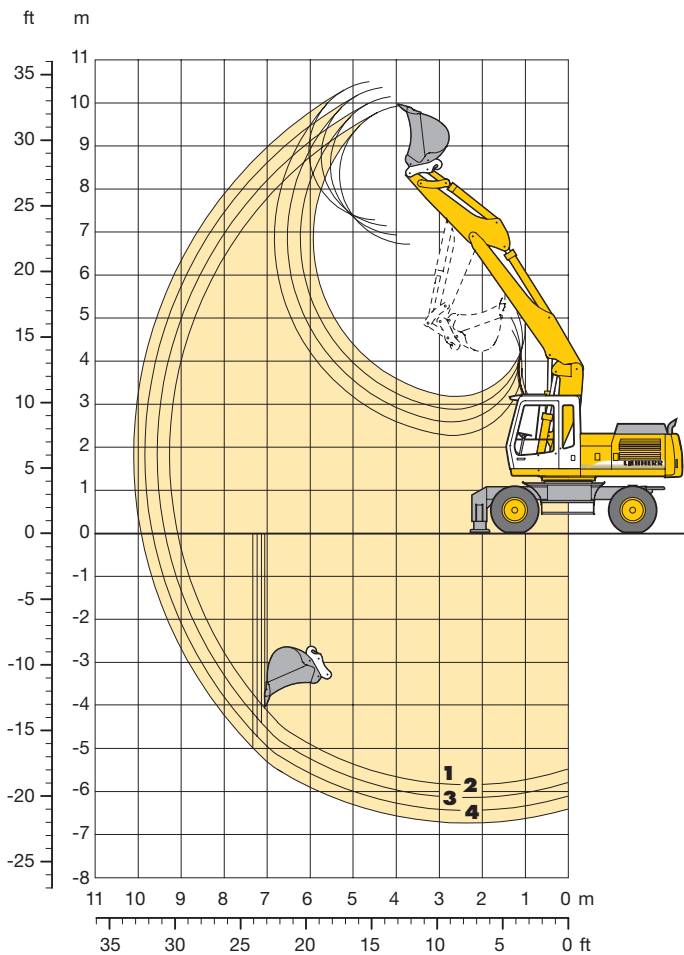
Tires 10.00-20

	Stick ft-in	Hydr. Adjustable Boom 12'9"			Gooseneck Boom 16'5"		
		prop blade	2 pt. outr.	blade + 2 pt. outr.	prop blade	2 pt. outr.	blade + 2 pt. outr.
V	6'10"	20'10"	20'10"	20'10"	18'0"	18'0"	19' 4"*
	7'10"	20' 2"	20' 2"	21' 6"*	17'1"	17'1"	19' 6"*
	8'10"	19' 8"	19' 8"	20'12"*	16'7"	16'7"	20' 0"*
	9'10"	18' 8"	18' 8"	20' 0"*	17'1"	17'1"	20' 2"*
W	6'10"	10' 2"	10' 2"	10' 2"	10'0"	10'0"	10' 0"*
	7'10"	10' 6"	10' 6"	10' 6"*	10'0"	10'0"	10' 8"*
	8'10"	10' 8"	10' 8"	10' 8"*	10'2"	10'2"	11' 8"*
	9'10"	10'10"	10'10"	10'10"*	11'6"	11'6"	12' 7"*
X	6'10"	30' 6"	30' 6"	30' 6"	28'6"	28'6"	29'10"*
	7'10"	30' 6"	30' 6"	31'10"*	28'6"	28'6"	30' 2"*
	8'10"	30' 6"	30' 6"	31'10"*	28'8"	28'8"	30' 4"*
	9'10"	30' 6"	30' 6"	31'10"*	29'0"	29'0"	30' 0"*

Dimensions are with attachment over steering axle
 * Attachment over digging axle for better transport dimensions

Backhoe Attachment

with Hydr. Adjustable Boom 12'9"



Digging Envelope

		1	2	3	4
Stick length	ft-in	6'10"	7'10"	8'10"	9'10"
Max. digging depth	ft-in	19' 2"	20' 2"	21' 2"	21'12"
Max. reach at ground level	ft-in	29' 8"	30' 8"	31' 8"	32' 6"
Max. dumping height	ft-in	22' 2"	22'10"	23' 5"	23'11"
Max. teeth height	ft-in	32' 8"	33' 4"	33'11"	34' 5"
Max. digging force	kN	128,6	117,5	108,3	100,4
	lb	28,900	26,450	24,250	22,500
Max. breakout force	kN	143	143	143	143
	lb	32,200	32,200	32,200	32,200

Max. breakout force with ripper bucket 186 kN (41,900 lb)
 Max. possible digging force (stick 5'11") 152 kN (34,180 lb)

Operating Weight

The operating weight includes the basic machine with 8 tires plus spacer rings, hydr. adjustable boom 12'9", stick 6'10", quick change adapter 48 and bucket 1.05 cuyd.

Undercarriage versions	Weight
A 914 B Litronic [®] with prop up blade	43,000 lb
A 914 B Litronic [®] with 2 pt. outriggers	44,100 lb
A 914 B Litronic [®] with prop up blade + 2 pt. outriggers	46,500 lb
A 914 B Litronic [®] with 4 pt. outriggers	47,200 lb

Buckets

Cutting width	in	15 ¹⁾	17 ¹⁾	19"	24"	24 ²⁾	26"	33"	41"	49"	55"	55"
Capacity ISO 7451*	cuyd	0.39	0.46	0.52	0.46	0.39	0.52	0.78	1.05	1.30	1.57	1.83
Max. material weight	lb/cuyd	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2000
Weights												
Standard bucket with Liebherr teeth Z 13 C	lb	-	-	-	1080	-	1210	1320	1410	1500	1920	2050
Bucket with cutting edge	lb	-	-	-	1060	-	1190	1390	1570	1760	1900	-
HD bucket with Liebherr teeth Z 16 C ³⁾	lb	-	-	-	1460	1870	1390	1630	1830	2100	2230	-
Bucket with ejector and Bofors-teeth	lb	820	860	900	-	-	-	-	-	-	-	-
For machine stability per ISO 10567 the max. stick length is:												
Stabilizers raised	ft-in	9'10"	9'10"	9'10"	9'10"	7'10"	9'10"	-	-	-	-	-
Prop up blade down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	6'10"	-	-	-	-
2 point outriggers down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	7'10"	-	-	6'10"
Prop up blade + 2 point outr. down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"
4 point outriggers down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"

* comparable with SAE (heaped)

1) max. digging depth 4'7", since bucket suspension is wider than bucket

2) Ripper bucket with Liebherr-teeth Z 16 P

3) It is recommended to use these buckets only with 4 point outriggers down

Lift Capacities

with Hydr. Adjustable Boom 12'9"

Stick 6'10"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)			
		10	15	20	25
25	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)				
20	Stabilizers raised			6700 (11700)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)			7400 (14300#) 9600 (14300#) 12300# (14300#) 14300# (14300#)	
15	Stabilizers raised		10400 (18000#)	6800 (11700)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)		11400 (18000#) 15000 (18000#) 18000# (18000#) 18000# (18000#)	7500 (15100#) 9700 (15100#) 12200# (15100#) 15100# (15100#)	
10	Stabilizers raised	17200 (32300#)	9800 (17400)	6700 (11500)	3900 (7400)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	19300 (32300#) 26700# (32300#) 32300# (32300#) 32300# (32300#)	10800 (21500#) 14300 (21500#) 18200# (21500#) 21500# (21500#)	7300 (16500#) 9600 (16500#) 12000 (16500#) 14800 (16500#)	4400 (13300#) 6000 (12700#) 7900 (13300#) 10100 (13300#)
5	Stabilizers raised	16600 (30600#)	9600 (17200)	6400 (11200)	3700 (7200)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	18700 (30600#) 26300 (30600#) 30600# (30600#) 30600# (30600#)	10700 (24300#) 14200 (24300#) 17700 (24300#) 22400# (24300#)	7100 (17700#) 9300 (17700#) 11900 (17700#) 14700 (17700#)	4200 (13600) 5800 (12500) 7700 (13600) 9900 (14200#)
0	Stabilizers raised	16800 (33200)	9400 (17400)	5800 (10700)	3400 (6900)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	18900 (37400#) 26400 (37400#) 34900# (37400#) 37400# (37400#)	10500 (25000#) 14000 (25000#) 18200 (25000#) 22500# (25000#)	6400 (18200#) 8600 (17900#) 11300 (18200#) 14600 (18200#)	3900 (13500) 5500 (12200) 7400 (13500) 9600 (13900#)
-5	Stabilizers raised	15800 (33900)	8900 (16800)	5100 (9900)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	17800 (40600#) 36000 (40600#) 40600# (40600#)	9900 (25500#) 17700 (25500#) 23500 (25500#)	5800 (18600#) 10600 (18600#) 13800 (18600#)	
-10	Stabilizers raised	15600 (33800)	7900 (15600)	4800 (9500)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	17700 (42500#) 25100 (42500#) 35800 (42500#) 42500# (42500#)	8900 (25100#) 12300 (25100#) 16600 (25100#) 22200 (25100#)	5400 (13000#) 7600 (13000#) 10200 (13000#) 13000# (13000#)	
-15	Stabilizers raised	14800 (23700#)			
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	16800 (23700#) 23700# (23700#) 23700# (23700#) 23700# (23700#)			

Stick 7'10"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)			
		10	15	20	25
25	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)				
20	Stabilizers raised			6800 (11700)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)			7500 (13400#) 9700# (13400#) 12300 (13400#) 13400# (13400#)	
15	Stabilizers raised		10300 (16800#)	6600 (11500)	4000 (7500)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)		11400 (16800#) 14900 (16800#) 16800# (16800#) 16800# (16800#)	7300 (14300#) 9500 (14300#) 12100 (14300#) 14300# (14300#)	4500 (9900#) 6100 (9900#) 8000 (9900#) 9900# (9900#)
10	Stabilizers raised	17600 (32900#)	9800 (17200)	6500 (11200)	4000 (7500)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	19700 (32900#) 26400 (32900#) 32900# (32900#) 32900# (32900#)	10300 (20500#) 14400 (20500#) 18200 (20500#) 20500# (20500#)	7100 (15800#) 9400 (15800#) 11900 (15800#) 14600 (15800#)	4400 (13400#) 6000 (12700) 8000 (13400#) 10100 (13400#)
5	Stabilizers raised	16900 (29600#)	9300 (16800)	6500 (11300)	3700 (7200)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	19000 (29600#) 25500 (29600#) 29600# (29600#) 29600# (29600#)	10300 (23800#) 13800 (23800#) 17800 (23800#) 22300 (23800#)	7200 (17300#) 9500 (17300#) 11800 (17300#) 14500 (17300#)	4200 (13700#) 5800 (12400) 7700 (13800) 9900 (13900#)
0	Stabilizers raised	17000 (32900#)	9400 (17400)	5900 (10800)	3400 (6900)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	19100 (35800#) 26300 (35800#) 34700 (35800#) 35800# (35800#)	10500 (24800#) 14000 (24800#) 18000# (24800#) 22300 (24800#)	6600 (17900#) 8800 (17700) 11500 (17900#) 14500 (17900#)	3900 (13400) 5500 (12100) 7400 (13500) 9600 (13900)
-5	Stabilizers raised	15800 (34000)	8800 (16600)	5200 (10000)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	17900 (40300#) 35700# (40300#) 40300# (40300#)	9800 (25200#) 17600 (25200#) 23000# (25200#)	5800 (18400#) 10700 (18400#) 13900 (18400#)	
-10	Stabilizers raised	15500 (33600)	8000 (15700)	4700 (9500)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	17500 (41900#) 24900 (41900#) 35700 (41900#) 41900# (41900#)	8900 (26000#) 12300 (26000#) 16700 (26000#) 22300 (26000#)	5300 (15600#) 7500 (15600#) 10100 (15600#) 13300 (15600#)	
-15	Stabilizers raised	14700 (30700#)			
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	16700 (30700#) 24000 (30700#) 30700# (30700#) 30700# (30700#)			

Stick 8'10"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)			
		10	15	20	25
25	Stabilizers raised			6400 (8400#)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)			7100 (8400#) 8400# (8400#) 8400# (8400#)	
20	Stabilizers raised			6600 (11500)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)			7300 (11800#) 9500 (11800#) 11800# (11800#) 11800# (11800#)	
15	Stabilizers raised		10100 (14000#)	6500 (11300)	4000 (7500)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)		11200 (14000#) 14000# (14000#) 14000# (14000#) 14000# (14000#)	7100 (13400#) 9400 (13400#) 11900 (13400#) 13400# (13400#)	4500 (10300#) 6100 (10300#) 8000 (10300#) 10100 (10300#)
10	Stabilizers raised	17800 (30400#)	9500 (17200)	6200 (11000)	3900 (7400)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	19900 (30400#) 26800 (30400#) 30400# (30400#) 30400# (30400#)	10600 (19400#) 14100 (19400#) 19400# (19400#) 19400# (19400#)	6800 (15100#) 9100 (15100#) 11600 (15100#) 14400 (15100#)	4400 (12600#) 6000 (12500) 7900 (12600#) 10000 (12800#)
5	Stabilizers raised	17200 (30900#)	9300 (16800)	6000 (11000)	3700 (7200)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	19300 (30900#) 25900 (30900#) 30900# (30900#) 30900# (30900#)	10300 (23100#) 13800 (23100#) 17500 (23100#) 22200 (23100#)	6700 (16800#) 8900 (16800#) 11400 (16800#) 14200 (16800#)	4200 (13400#) 5800 (12300) 7700 (13500) 9800 (13500#)
0	Stabilizers raised	16600 (33100)	9000 (16600)	5900 (10800)	3400 (6800)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	18700 (34600#) 34600# (34600#) 34600# (34600#)	10100 (24800#) 17600 (24800#) 22100# (24800#)	6600 (17700#) 11300 (17700#) 14300 (17700#)	3800 (13300) 5400 (12000) 7300 (13300) 9500 (13700#)
-5	Stabilizers raised	16000 (33900#)	8700 (16500)	5200 (10000)	3000 (6500)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	18000 (39800#) 25500 (39800#) 35500 (39800#) 39800# (39800#)	9700 (25000#) 13100 (25000#) 17500 (25000#) 22500 (25000#)	5800 (12800#) 8000 (17700#) 10700 (18000#) 13700 (18000#)	3500 (12600#) 5100 (11700) 7000 (12800#) 9200 (12800#)
-10	Stabilizers raised	15400 (33400)	8000 (15800)	4600 (9400)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	17400 (41300#) 24800 (41300#) 35500 (41300#) 41300# (41300#)	9000 (25900#) 12400 (25900#) 16700 (25900#) 22400 (25900#)	5300 (17000#) 7400 (17000#) 10000 (17000#) 13200 (17000#)	
-15	Stabilizers raised	14600 (32500)	7400 (15000)		
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	16600 (35600#) 23900 (35600#) 34500 (35600#) 35600# (35600#)	8400 (18100#) 11700 (18100#) 16000 (18100#) 18100# (18100#)		

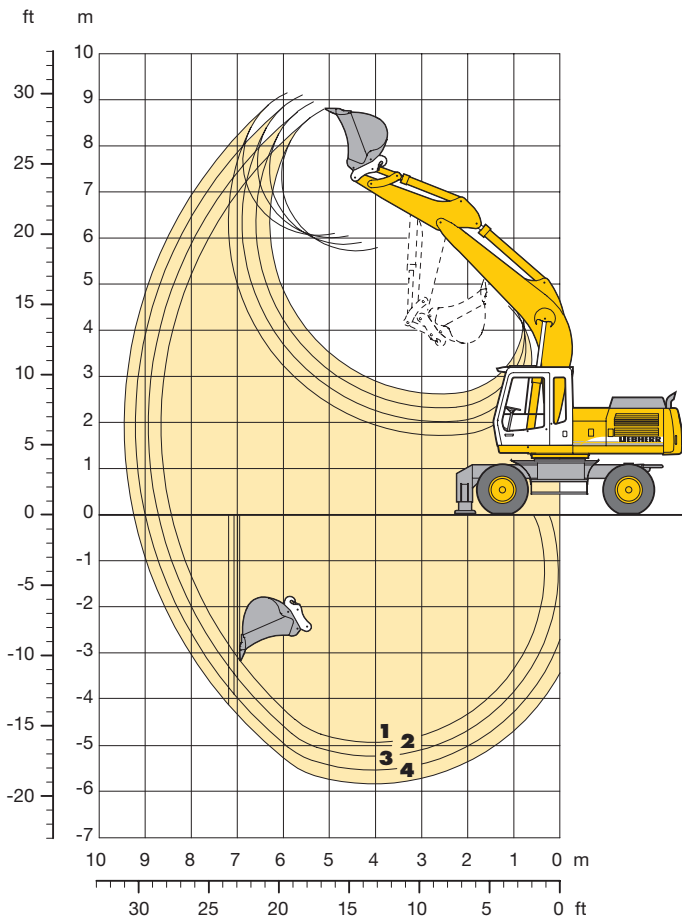
Stick 9'10"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)			
		10	15	20	25
25	Stabilizers raised			6900 (9500#)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)			7800 (9500#) 9500# (9500#) 9500# (9500#)	
20	Stabilizers raised			7000 (11300#)	4300 (7100#)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)			7700 (11300#) 9900 (11300#) 11300# (11300#) 11300# (11300#)	4800 (7100#) 6400 (7100#) 7100# (7100#) 7100# (7100#)
15	Stabilizers raised		10100 (14000#)	6800 (11700)	4400 (7900)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)		11200 (14000#) 14000# (14000#) 14000# (14000#) 14000# (14000#)	7500 (12900#) 9700 (12900#) 12200 (12900#) 12900# (12900#)	4800 (10700#) 6500 (10700#) 8400 (10700#) 10500 (10700#)
10	Stabilizers raised	17900 (28000#)	9900 (17600)	6400 (11400#)	4300 (7800)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	20100 (28000#) 27400 (28000#) 28000# (28000#) 28000# (28000#)	10900 (18700#) 14400 (18700#) 18400 (18700#) 18700# (18700#)	7100 (14800#) 9300 (14800#) 11800 (14800#) 14700 (14800#)	4800 (12700#) 6400 (12700#) 8300 (12700#) 10400 (12700#)
5	Stabilizers raised	16800 (32500#)	9300 (16800)	6400 (11100)	4100 (7500)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	18900 (32500#) 25700 (32500#) 32500# (32500#) 32500# (32500#)	10300 (22500#) 13800 (22500#) 17800# (22500#) 22400 (22500#)	7100 (16600#) 9300 (16600#) 11800 (16600#) 14400 (16600#)	4600 (13500#) 6200 (12700) 8000 (13500#) 10200 (13500#)
0	Stabilizers raised	16800 (32500#)	9400 (16900)	6200 (11200)	3700 (7200)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	19000 (33500#) 33500# (33500#) 33500# (33500#)	10400 (24500#) 17500 (24500#) 22300# (24500#)	6900 (17700#) 9100 (17500) 11900 (17700#)	4200 (13600) 5800 (12300) 7700 (13700) 9800 (13800#)
-5	Stabilizers raised	16100 (33500)	8900 (16800)	5600 (10500)	3300 (6800)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	18100 (38700#) 25600 (38700#) 34700 (38700#) 38700# (38700#)	9900 (24900#) 13400 (24900#) 17800 (24900#) 22500# (24900#)	6200 (18000#) 8400 (17700#) 11100 (18000#) 14200 (18000#)	3800 (13300) 5400 (12000) 7200 (13300) 9400 (13600#)
-10	Stabilizers raised	15400 (33500)	8400 (16300)	4900 (9700)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	17400 (40800#) 24800 (40800#) 35600 (40800#) 40800# (40800#)	9400 (25700#) 12900 (25700#) 17200 (25700#) 23000 (25700#)	5500 (17900#) 7700 (17600) 10300 (17900#) 13500 (17900#)	
-15	Stabilizers raised	14800 (32700)	7500 (15200)		
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down (4 pt. outr. down)	16800 (39100#) 24100 (39100#) 34800 (39100#) 39100# (39100#)	8500 (21500#) 11900 (21500#) 16200 (21500#) 21500# (21500#)		

The lift capacities on the load hook of the Liebherr quick change adapter 48 without attachment are stated in lbs, and can be lifted 360° on firm, level supporting surface with blocked oscillating 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. Capacities are valid with adjusting cylinder(s) in optimal position. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (#). Maximum load for the quick change adapter's load hook is 26,500 lb. Without quick change adapter, the lift capacities will increase by 500 lb, without bucket cylinder, link and lever they increase by an additional 790 lb. Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

Backhoe Attachment

with Gooseneck Boom 16'5"



Digging Envelope

		1	2	3	4
Stick length	ft-in	6'10"	7'10"	8'10"	9'10"
Max. digging depth	ft-in	16' 3"	17' 3"	18' 3"	19' 2"
Max. reach at ground level	ft-in	27' 9"	28' 7"	29' 6"	30' 4"
Max. dumping height	ft-in	18'10"	19' 4"	19'10"	20' 0"
Max. teeth height	ft-in	28'10"	29' 4"	29'10"	30' 0"
Max. digging force	kN	128,6	117,5	108,3	100,4
	lb	28,900	26,450	24,250	22,500
Max. breakout force	kN	143	143	143	143
	lb	32,200	32,200	32,200	32,200

Max. breakout force with ripper bucket 186 kN (41,900 lb)
 Max. possible digging force (stick 5'11") 152 kN (34,180 lb)

Operating Weight

The operating weight includes the basic machine with 8 tires plus spacer rings with gooseneck boom 16'5", stick 6'10", quick change adapter 48 and bucket 1.05 cuyd.

Undercarriage versions	Weight
A 914 B Litronic® with prop up blade	41,900 lb
A 914 B Litronic® with 2 pt. outriggers	43,000 lb
A 914 B Litronic® with prop up blade + 2 pt. outriggers	43,900 lb
A 914 B Litronic® with 4 pt. outriggers	46,100 lb

Buckets

Cutting width	in	15 ⁽¹⁾	17 ⁽¹⁾	19"	24"	24 ⁽²⁾	26"	33"	41"	49"	55"	55"
Capacity ISO 7451*	cuyd	0.39	0.46	0.52	0.46	0.39	0.52	0.78	1.05	1.30	1.57	1.83
Max. material weight	lb/cuyd	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2000
Weights												
Standard bucket with Liebherr teeth Z 13 C	lb	-	-	-	1080	-	1210	1320	1410	1500	1920	2050
Bucket with cutting edge	lb	-	-	-	1060	-	1190	1390	1570	1760	1900	-
HD bucket with Liebherr teeth Z 16 C ⁽³⁾	lb	-	-	-	1460	1870	1390	1630	1830	2100	2230	-
Bucket with ejector and Bofors-teeth	lb	820	860	900	-	-	-	-	-	-	-	-
For machine stability per ISO 10567 the max. stick length is:												
Stabilizers raised	m	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	6'10"	-	-	-	-
Prop up blade down	m	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	7'10"	-	-	-	-
2 point outriggers down	m	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	6'10"	6'10"	7'10"
Prop up blade + 2 point outr. down	m	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"
4 point outriggers down	m	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"

* comparable with SAE (heaped)

¹⁾ max. digging depth 4'7", since bucket suspension is wider than bucket

²⁾ Ripper bucket with Liebherr-teeth Z 16 P

³⁾ It is recommended to use these buckets only with 4 point outriggers down

Lift Capacities

with Gooseneck Boom 16'5"

Stick 6'10"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)			
		10	15	20	25
25	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				
20	Stabilizers raised				6400 (10200#)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				7000 (10200#) 9200 (10200#) 10200# (10200#)
15	Stabilizers raised		10100 (15500#)	6100 (11000)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down		11100 (15500#) 14600 (15500#) 15500# (15500#) 15500# (15500#)	6800 (13700#) 9000 (13700#) 11600 (13700#) 13700# (13700#)	
10	Stabilizers raised	15800 (29100#)	8900 (18800#)	5600 (10400)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	17800 (29100#) 25200 (29100#) 29100# (29100#) 29100# (29100#)	9800 (18800#) 13200 (18800#) 17600 (18800#) 18800# (18800#)	6300 (15000#) 8400 (15000#) 11100 (15000#) 14200 (15000#)	
5	Stabilizers raised	13000 (20500#)	7700 (15200)	5100 (9800)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14900 (20500#) 20500# (20500#) 20500# (20500#) 20500# (20500#)	8600 (21900#) 12000 (21900#) 16200 (21900#) 21700 (21900#)	5700 (16400#) 7900 (16400#) 10500 (16400#) 13600 (16400#)	
0	Stabilizers raised	12400 (25900#)	7000 (14400)	4700 (9400)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14300 (25900#) 21200 (25900#) 25900# (25900#) 25900# (25900#)	8000 (23300#) 11200 (23300#) 15400 (23300#) 20800 (23300#)	5400 (17100#) 7500 (17100#) 10000 (17100#) 13200 (17100#)	
-5	Stabilizers raised	12600 (29300)	6900 (14300)	4700 (9300)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14500 (32700#) 21300 (32700#) 31400 (32700#) 32700# (32700#)	7800 (22400#) 11000 (22400#) 15200 (22400#) 20600 (22400#)	7400 (16200#) 10000 (16200#) 13100 (16200#)	
-10	Stabilizers raised	13200 (26300#)	7200 (14600)		
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	15100 (26300#) 22100 (26300#) 26300# (26300#) 26300# (26300#)	8200 (18400#) 11400 (18400#) 15600 (18400#) 18400# (18400#)		
-15	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				

Stick 7'10"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)			
		10	15	20	25
25	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				
20	Stabilizers raised				6100 (11000)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				6800 (12900#) 8900 (12900#) 11600 (12900#) 12900# (12900#)
15	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	16500 (26700#)	8900 (16700)	5600 (10400)	
10	Stabilizers raised	18600 (28700#)	9800 (17800#)	6200 (14300#)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	26000 (26700#) 26700# (26700#) 26700# (26700#) 26700# (26700#)	13300 (17800#) 17700 (17800#) 17800# (17800#) 17800# (17800#)	8400 (14300#) 11000 (14300#) 14200 (14300#)	
5	Stabilizers raised	13500 (24400#)	7800 (15300)	5000 (9800)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	15400 (24400#) 22500 (24400#) 24400# (24400#) 24400# (24400#)	8700 (21200#) 12000 (21200#) 16300 (21200#) 21200# (21200#)	5700 (15900#) 7800 (15900#) 10400 (15900#) 13500 (15900#)	
0	Stabilizers raised	12600 (25500#)	7000 (14400)	4600 (9300)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14500 (25500#) 21400 (25500#) 25500# (25500#) 25500# (25500#)	8000 (23100#) 11200 (23100#) 15400 (23100#) 20800 (23100#)	5300 (16800#) 7400 (16800#) 9900 (16800#) 13000 (16800#)	
-5	Stabilizers raised	12500 (29300)	6800 (14100)	4500 (9100)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14400 (33900#) 21300 (33900#) 31300 (33900#) 33900# (33900#)	7700 (22700#) 11000 (22700#) 15100 (22700#) 20500 (22700#)	5100 (16400#) 7200 (16400#) 9800 (16400#) 12900 (16400#)	
-10	Stabilizers raised	13000 (28300#)	7000 (14400)		
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14900 (28300#) 21900 (28300#) 28300# (28300#) 28300# (28300#)	7900 (19500#) 11200 (19500#) 15400 (19500#) 19500# (19500#)		
-15	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				

Stick 8'10"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)			
		10	15	20	25
25	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				
20	Stabilizers raised			6300 (10100#)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down			6900 (10100#) 9100 (10100#) 10100# (10100#) 10100# (10100#)	
15	Stabilizers raised			6000 (10800)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down			8800 (11900#) 11500 (11900#) 11900# (11900#)	
10	Stabilizers raised	17100 (24300#)	9000 (16600#)	5500 (10300)	3500 (6900)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	19200 (24300#) 24300# (24300#) 24300# (24300#) 24300# (24300#)	10000 (16600#) 13400 (16600#) 16600# (16600#) 16600# (16600#)	6100 (13500#) 8300 (13500#) 10900 (13500#) 13500# (13500#)	4000 (9000#) 5500 (9000#) 7400 (9000#) 9000# (9000#)
5	Stabilizers raised	14100 (29000#)	7800 (15400)	4900 (9600)	3300 (6700)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	16100 (29000#) 23200 (29000#) 29000# (29000#) 29000# (29000#)	8800 (20500#) 12100 (20500#) 16400 (20500#) 20500# (20500#)	5600 (15300#) 7700 (15300#) 10300 (15300#) 13400 (15300#)	3700 (10900#) 5300 (10900#) 7100 (10900#) 9300 (10900#)
0	Stabilizers raised	12900 (25200#)	7000 (14500)	4500 (9200)	3100 (6400)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14800 (25200#) 21800 (25200#) 25200# (25200#) 25200# (25200#)	8000 (22800#) 11300 (22800#) 15500 (22800#) 20900 (22800#)	5100 (16500#) 7200 (16500#) 9800 (16500#) 12900 (16500#)	3500 (9300#) 5100 (9300#) 6900 (9300#) 9100 (9300#)
-5	Stabilizers raised	12700 (29500)	6700 (14100)	4300 (8900)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14600 (33300#) 21500 (33300#) 31600 (33300#) 33300# (33300#)	7700 (22900#) 10900 (22900#) 15100 (22900#) 20300 (22900#)	4900 (16400#) 7000 (16400#) 9600 (16400#) 12700 (16400#)	
-10	Stabilizers raised	13000 (29900)	6800 (14200)		
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14900 (30100#) 21800 (30100#) 30100# (30100#) 30100# (30100#)	7700 (20300#) 11000 (20300#) 15200 (20300#) 20300# (20300#)		
-15	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				

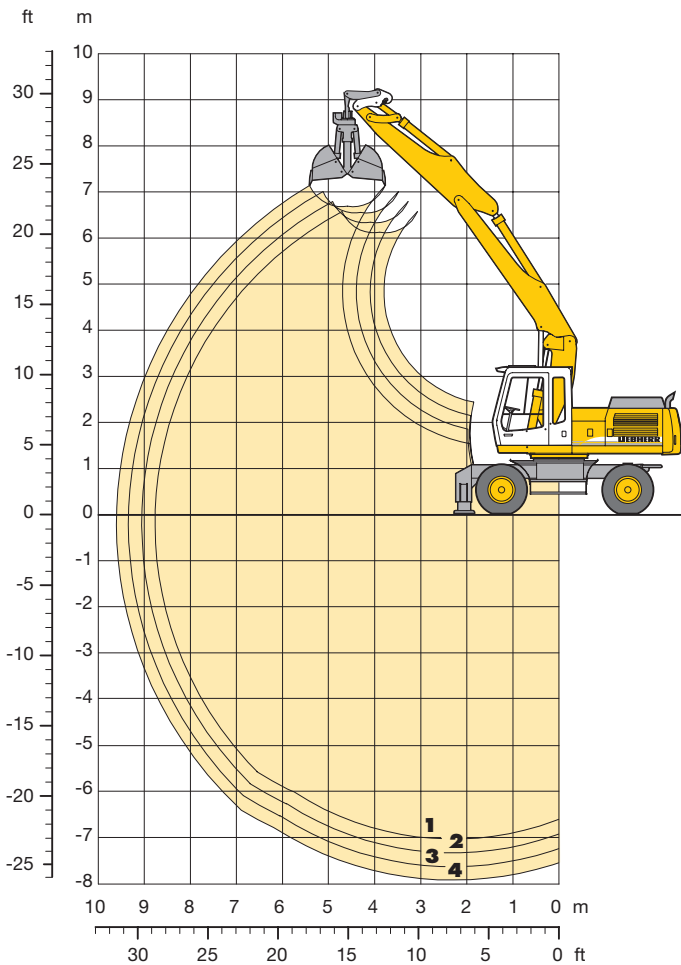
Stick 9'10"

Height (ft)	Undercarriage	Radius of load from centerline of machine (ft)			
		10	15	20	25
25	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				
20	Stabilizers raised				6700 (10200#)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				7400 (10200#) 9600 (10200#) 10200# (10200#) 10200# (10200#)
15	Stabilizers raised				6400 (11300)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				7000 (11600#) 9300 (11600#) 11600# (11600#) 11600# (11600#)
10	Stabilizers raised				4000 (7200#)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				4500 (7200#) 6100 (7200#) 7200# (7200#) 7200# (7200#)
5	Stabilizers raised	14400 (31900)	8100 (15700)	4900 (9600)	3500 (6900)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	16400 (32000#) 23500 (32000#) 32000# (32000#) 32000# (32000#)	9100 (19800#) 12400 (19800#) 16700 (19800#) 19800# (19800#)	5800 (15000#) 8000 (15000#) 10600 (15000#) 13700 (15000#)	4000 (12300#) 5500 (12100) 7400 (12300#) 9600 (12300#)
0	Stabilizers raised	12700 (27000#)	7100 (14600)	4700 (9400)	3300 (6600)
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14600 (27000#) 21500 (27000#) 27000# (27000#) 27000# (27000#)	8100 (22500#) 11400 (22500#) 15600 (22500#) 21000 (22500#)	5300 (16400#) 7400 (16400#) 10000 (16400#) 13100 (16400#)	3700 (12200#) 5300 (11800) 7100 (12200#) 9300 (12200#)
-5	Stabilizers raised	12300 (29000)	6700 (14100)	4400 (9100)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14200 (32700#) 21000 (32700#) 31000 (32700#) 32700# (32700#)	7700 (23000#) 10900 (23000#) 15100 (23000#) 20500 (23000#)	4900 (16700#) 7100 (16700#) 9700 (16700#) 12800 (16700#)	
-10	Stabilizers raised	12600 (29300)	6700 (14100)	4500 (9100)	
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down	14400 (31300#) 21300 (31300#) 31300# (31300#) 31300# (31300#)	7700 (21100#) 10900 (21100#) 15100 (21100#) 20500 (21100#)	5100 (14900#) 7200 (14900#) 9800 (14900#) 12900 (14900#)	
-15	Stabilizers raised				
	Prop up blade down 2 pt. outr. down Blade + 2 pt. down 4 pt. outr. down				

The lift capacities on the load hook of the Liebherr quick change adapter 48 without attachment are stated in lbs, and can be lifted 360° on firm, level supporting surface with blocked oscillating 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 (#). Maximum load for the quick change adapter's load hook is 26,500 lb. Without quick change adapter, the lift capacities will increase by 500 lb, without bucket cylinder, link and lever they increase by an additional 790 lb. Lifting capacity of the excavator is limited by machine stability, hydraulic capacity and maximum permissible load of the load hook.

Clamshell Attachment

with Hydr. Adjustable Boom 12'9"



Digging Envelope		1	2	3	4
Stick length	ft-in	6'10"	7'10"	8'10"	9'10"
Max. digging depth	ft-in	22'11"	23'11"	24'11"	25'11"
Max. reach at ground level	ft-in	28'10"	29' 8"	30' 8"	31' 6"
Max. dumping height	ft-in	20' 2"	20'10"	21' 8"	21'12"

Clamshell Model 10 B	
Max. tooth force	73 kN (16,300 lb)
Max. torque of hydr. swivel	1.76 kNm

Operating Weight

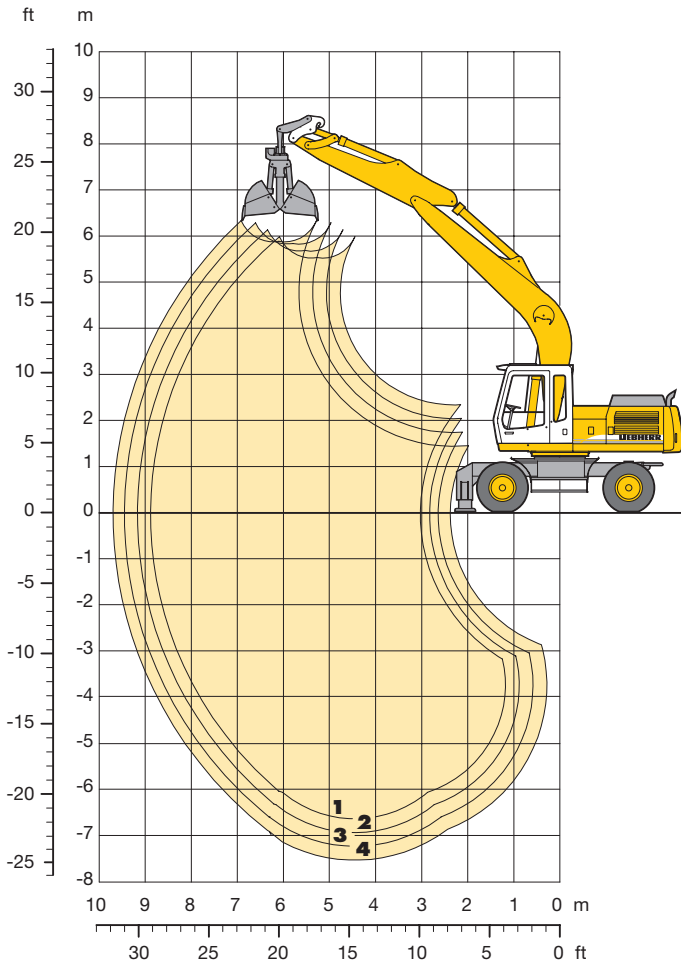
The operating weight includes the basic machine with 8 tires plus spacer rings, hydr. adjustable boom 12'9", stick 6'10", quick change adapter 48 and clamshell model 10 B/0.78 cuyd.

Undercarriage versions	Weight
A 914 B Litronic with prop up blade	43,700 lb
A 914 B Litronic with 2 pt. outriggers	44,800 lb
A 914 B Litronic with prop up blade + 2 pt. outriggers	47,200 lb
A 914 B Litronic with 4 pt. outriggers	47,900 lb

Clamshell Model 10 B	without ejector									with ejector			
	Width of shells	in	13"	16"	24"	31"	39"	39"	59"	71"	13"	16"	24"
Capacity	cuyd	0.22	0.29	0.46	0.59	0.78	1.30	1.97	2.35	0.22	0.29	0.46	0.59
Max. material weight	lb/cuyd	3000	3000	3000	3000	3000	2000	2000	2000	3000	3000	3000	3000
Weight incl. suspension and hydr. swivel	lb	1690	1800	1890	2000	2140	2290	2550	2820	1810	1940	2090	2230
For machine stability per ISO 10567 the max. stick length is:													
Stabilizers raised	ft-in	9'10"	9'10"	7'10"	6'10"	-	-	-	-	9'10"	9'10"	6'10"	-
Prop up blade down	ft-in	9'10"	9'10"	9'10"	7'10"	-	-	-	-	9'10"	9'10"	7'10"	6'10"
2 point outriggers down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"	7'10"	-	-	9'10"	9'10"	9'10"	9'10"
Prop up blade + 2 point outr. down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	7'10"	6'10"	9'10"	9'10"	9'10"	9'10"
4 point outriggers down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	7'10"	9'10"	9'10"	9'10"	9'10"

Clamshell Attachment

with Gooseneck Boom 16'5"



Digging Envelope

		1	2	3	4
Stick length	ft-in	6'10"	7'10"	8'10"	9'10"
Max. digging depth	ft-in	20' 0"	20'12"	21'12"	22'12"
Max. reach at ground level	ft-in	26'11"	27'11"	28' 8"	29' 6"
Max. dumping height	ft-in	16' 9"	17' 3"	17' 9"	17'11"

Clamshell Model 10 B

Max. tooth force	73 kN (16,300 lb)
Max. torque of hydr. swivel	1.76 kNm

Operating Weight

The operating weight includes the basic machine with 8 tires plus spacer rings, gooseneck boom 16'5", stick 6'10", quick change adapter 48 and clamshell model 10 B/0.78 cuyd.

Undercarriage versions	Weight
A 914 B Litronic with prop up blade	42,500 lb
A 914 B Litronic with 2 pt. outriggers	43,700 lb
A 914 B Litronic with prop up blade + 2 pt. outriggers	46,100 lb
A 914 B Litronic with 4 pt. outriggers	46,700 lb

Clamshell Model 10 B

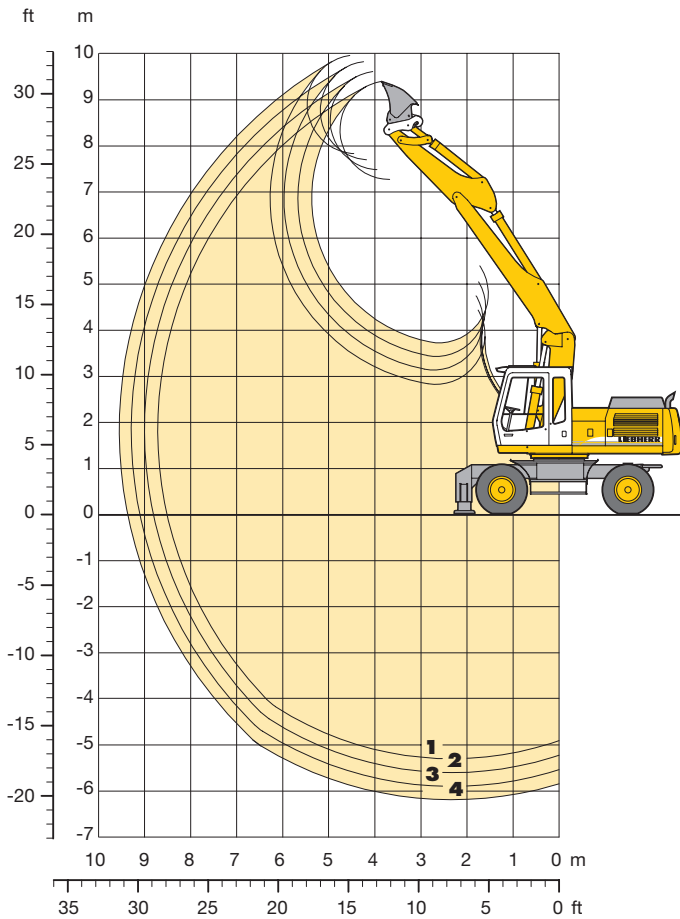
		without ejector								with ejector			
Width of shells	in	13"	16"	24"	31"	39"	39"	59"	71"	13"	16"	24"	31"
Capacity	cuyd	0.22	0.29	0.46	0.59	0.78	1.30	1.97	2.35	0.22	0.29	0.46	0.59
Max. material weight	lb/cuyd	3000	3000	3000	3000	3000	2000	2000	2000	3000	3000	3000	3000
Weight incl. suspension and hydr. swivel	lb	1690	1800	1890	2000	2140	2290	2550	2820	1810	1940	2090	2230

For machine stability per ISO 10567 the max. stick length is:

Stabilizers raised	ft-in	9'10"	9'10"	9'10"	7'10"	-	-	-	-	9'10"	9'10"	7'10"	6'10"
Prop up blade down	ft-in	9'10"	9'10"	9'10"	9'10"	6'10"	-	-	-	9'10"	9'10"	9'10"	7'10"
2 point outriggers down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	6'10"	-	9'10"	9'10"	9'10"	9'10"
Prop up blade + 2 point outr. down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	7'10"	9'10"	9'10"	9'10"	9'10"
4 point outriggers down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	9'10"	8'10"	9'10"	9'10"	9'10"	9'10"

Ditchcleaning Attachment

with Hydr. Adjustable Boom 12'9"



Digging Envelope

		1	2	3	4
Stick length	ft-in	6'10"	7'10"	8'10"	9'10"
Max. digging depth	ft-in	17' 4"	18' 4"	19' 4"	20' 4"
Max. reach at ground level	ft-in	27'10"	28'10"	29'10"	30' 8"
Max. dumping height	ft-in	23' 9"	24' 7"	25' 3"	25' 9"
Max. teeth height	ft-in	30'10"	31' 6"	32' 4"	32' 8"

Operating Weight

The operating weight includes the basic machine with 8 tires plus spacer rings, hydr. adjustable boom 12'9", stick 6'10", quick change adapter 48 and ditchcleaning bucket 0.92 cuyd.

Undercarriage versions	Weight
A 914 B Litronic [®] with prop up blade	42,800 lb
A 914 B Litronic [®] with 2 pt. outriggers	43,900 lb
A 914 B Litronic [®] with prop up blade + 2 pt. outriggers	46,300 lb
A 914 B Litronic [®] with 4 pt. outriggers	47,000 lb

Ditchcleaning Bucket

with 2 x 50° rotator

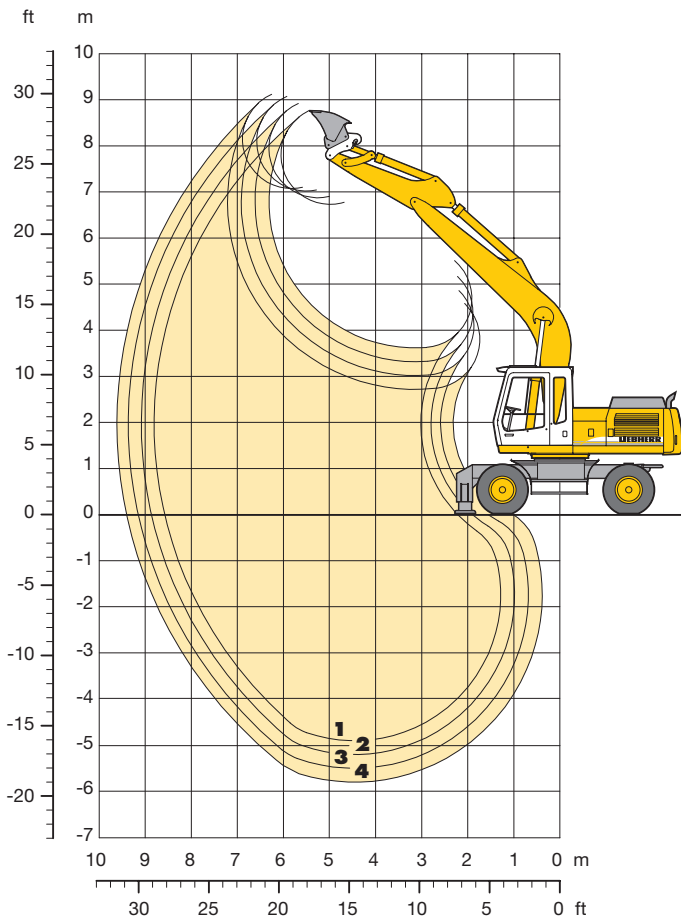
Cutting width	in	59"	79" ¹⁾	79"	94"	79"
Capacity ISO 7451*	cuyd	0.65	0.59	0.92	1.11	0.92
Max. material weight	lb/cuyd	3000	3000	3000	3000	3000
Weight of bucket	lb	840	880	1060	1150	1790
For machine stability per ISO 10567 the max. stick length is:						
Stabilizers raised	ft-in	9'10"	9'10"	6'10"	–	–
Prop up blade down	ft-in	9'10"	9'10"	6'10"	–	–
2 point outriggers down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"
Prop up blade + 2 point outr. down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"
4 point outriggers down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"

* comparable with SAE (heaped)

¹⁾ Bucket for narrow bottomed ditches

Ditchcleaning Attachment

with Gooseneck Boom 16'5"



Digging Envelope

		1	2	3	4
Stick length	ft-in	6'10"	7'10"	8'10"	9'10"
Max. digging depth	ft-in	14' 5"	15' 5"	16' 5"	17' 5"
Max. reach at ground level	ft-in	25' 9"	26' 9"	27' 9"	28' 7"
Max. dumping height	ft-in	20' 8"	21' 2"	21' 6"	21'10"
Max. teeth height	ft-in	27' 3"	27' 9"	28' 3"	28' 5"

Operating Weight

The operating weight includes the basic machine with 8 tires plus spacer rings, gooseneck boom 16'5", stick 6'10", quick change adapter 48 and ditchcleaning bucket 0.92 cuyd.

Undercarriage versions	Weight
A 914 B Litronic [®] with prop up blade	41,700 lb
A 914 B Litronic [®] with 2 pt. outriggers	42,800 lb
A 914 B Litronic [®] with prop up blade + 2 pt. outriggers	45,200 lb
A 914 B Litronic [®] with 4 pt. outriggers	45,900 lb

Ditchcleaning Bucket

with 2 x 50° rotator

Cutting width	in	59"	79" ¹⁾	79"	94"	79"
Capacity ISO 7451*	cuyd	0.65	0.59	0.92	1.11	0.92
Max. material weight	lb/cuyd	3000	3000	3000	3000	3000
Weight of bucket	lb	840	880	1060	1150	1790
For machine stability per ISO 10567 the max. stick length is:						
Stabilizers raised	ft-in	9'10"	9'10"	7'10"	–	–
Prop up blade down	ft-in	9'10"	9'10"	9'10"	6'10"	6'10"
2 point outriggers down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"
Prop up blade + 2 point outr. down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"
4 point outriggers down	ft-in	9'10"	9'10"	9'10"	9'10"	9'10"

* comparable with SAE (heaped)

¹⁾ Bucket for narrow bottomed ditches

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 with mechanical back up	•	
Customized colors		•
Lockable storage box		•
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 lift help	•	
Pedal controlled positioning swing brake		•
Reverse travel warning system		•
Sound insulation	•	
Customized colors		•
Pin lock upper/lower	•	
Maintenance-free HD-batteries	•	
Extended tool kit		•
Lockable tool box	•	
Tool kit		•



Hydraulics

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



Engine

	S	O
Turbo charger	•	
Direct injection	•	
Cold start aid		•
Sensor controlled engine idling	•	
Air filter with pre-cleaner main- and safety element	•	



Operator's Cab

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



Attachment

	S	O
Flood lights on boom		•
Offset feature for complete attachment		•
Hydr. lines for clam operation on stick		•
Sealed pivots		•
Safety lift hook on hoe buckets		•
Liebherr line of clams		•
Likufix		•
Safety check valves on hoist cylinder		•
Safety check valves on stick cylinder		•
SAE-dbl flange connection for all hi-pressure lines		•
Hose quick connection		•
Centralized lube points		•
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		•
Y-flange seals at bucket/stick pivot		•
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.