

Technical data



Engine

Rating	
per SAE J1349	443 HP (330 kW) at 1,800 rpm
per ISO 9249	449 HP (330 kW) at 1,800 rpm
Torque	2,750 Nm at 1,100 rpm / 2,028 lbf ft at 1,000 rpm
Model	Liebherr D9508 A7 SCR
Type	8 cylinder V engine
Bore	128 mm / 5.0 in
Stroke	157 mm / 6.2 in
Displacement	16.16 l / 986 in³
Engine operation	4-stroke diesel Common-Rail
Exhaust gas treatment	Tier 4 Final SCR Filter Passive regeneration by thermo management
Cooling system	Water-cooled and integrated motor oil cooler, after-cooled and fuel cooled
Air cleaner	Dry-type air cleaner with pre-cleaner, primary and safety elements
Fuel tank	1,140 l / 301 gal
Urea tank	180 l / 48 gal
Electrical system	
Voltage	24 V
Batteries	2 x 180 Ah / 12 V
Starter	24 V / 7.8 kW
Alternator	Three-phase current 28 V / 140 A
Engine idling	Sensor controlled
Motor management	Connection to the integrated excavator system controlling via CAN-BUS to the economical utilisation of the service that is available



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	Electro-hydraulic control
Equipment and swing	Proportional via joystick levers
Travel	– Proportional control via foot pedals or removable levers – Speed pre-selection
Additional functions	Proportional regulation via foot pedals or mini-joystick



Hydraulic system

Hydraulic pumps	
For equipment and travel drive	Two Liebherr variable displacement, swashplate pumps
Max. flow	2 x 410 l/min. / 2 x 108 gpm
Max. pressure	350 bar / 5,076 psi
For swing drive	Reversible, variable displacement, swashplate pump, closed-loop circuit
Max. flow	245 l/min. / 65 gpm
Max. pressure	370 bar / 5,366 psi
Pump regulation	Electro-hydraulic with electronic engine speed sensing regulation, pressure compensation, flow compensation, high flow
Hydraulic tank	435 l / 115 gal
Hydraulic system	920 l / 243 gal
Filtration	2 full flow filters in return line with integrated fine filter area (5 µm / 2,500 mesh)
Cooling system	Compact cooler for water cooler, after-cooler, fuel cooler and transmission pump oil, sandwiched with cooler for oil and condenser of air-conditioning with hydrostatically controlled fan drives
MODE selection	Adjustment of engine and hydraulic performance via a mode pre-selector to match application, e.g. for especially economical and environmentally friendly operation or for maximum digging performance and heavy-duty jobs
RPM adjustment	Stepless adjustment of engine output via RPM at each selected mode
Tool Control	20 pre-adjustable pump flows and pressures for add-on attachments



Swing drive

Drive	Liebherr swashplate motor with integrated brake valve
Transmission	Liebherr compact planetary reduction gears
Swing ring	Liebherr, sealed race ball bearing swing ring, internal teeth
Swing speed	0-5.6 rpm stepless
Swing torque	233 kNm / 171,852 lbf ft
Holding brake	Wet multi-disc (spring applied, pressure released)



Cab

Cab	LED work headlights integrated in the ceiling, a door with a sliding window (can be opened on both sides), large storing box and several stowing possibilities, shock-absorbing suspension, sound damping insulating, tinted laminated safety glass, separate window shades for the sunroof window and windscreen, cigarette lighter and 12V plug, storage bins, lunchbox, cup holder
Operator's seat	Liebherr-Comfort seat, airsprung with automatic weight adjustment, vertical and longitudinal seat damping including consoles and joysticks. Seat and armrests adjustable separately and in combination (adjustable in length, height and inclination), seat heating as standard
Arm consoles	Oscillating consoles with seat, tiltable console left
Operation and displays	Large high-resolution operating unit, intuitive, color display with touchscreen, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and attachment parameters
Air-conditioning	Automatic air-conditioning, recirculated air function, fast de-icing and demisting at the press of a button, air vents can be operated via a menu. Recirculated air and fresh air filters can be easily replaced and are accessible from the outside. Heating-cooling unit, designed for extreme outside temperatures, sensors for solar radiation, inside and outside temperatures
Noise emission	
ISO 6396	72 dB(A) = L _{pA} (inside cab)
2000/14/EC	108 dB(A) = L _{WA} (surround noise)



Undercarriage

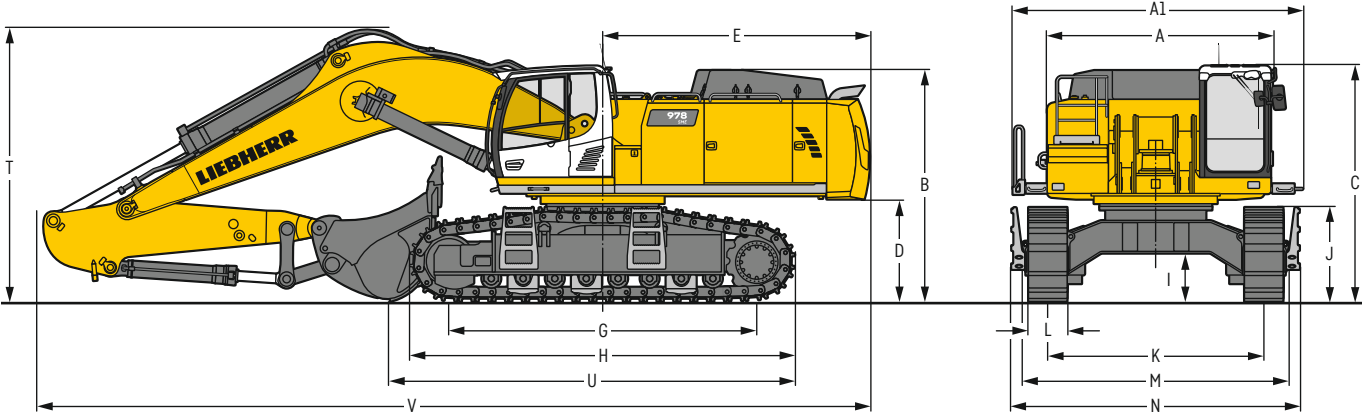
S-HD	Gauge 3,350mm / 11'
Drive	Liebherr swashplate motor with brake valves on both sides
Transmission	Liebherr compact planetary reduction gear
Maximum travel speed	3.5 km/h / 2.2 mph
Drawbar pull on crawler	568 kN / 127,692 lbf
Track components	D9G, maintenance-free
Track rollers / Carrier rollers	8 / 2
Tracks	Sealed and greased
Track pads	Double grouser
Holding brake	Wet multi-disc (spring applied, pressure released)
Brake valves	Outside the travel motor
Lashing eyes	Integrated



Equipment

Type	Combination of resistant steel plates and cast steel components
Hydraulic cylinders	Liebherr cylinders with seal and guidance systems
Bearings	Sealed, low maintenance
Lubrication	Automatic central lubrication system (except link and tilt geometry)
Hydraulic connections	Pipes and hoses equipped with SAE split-flange connections
Buckets	Standard equipped with Liebherr tooth system

Dimensions



		S-HD	mm / ft in	
A	Uppercarriage width		3,515	/ 11' 6"
A1	Uppercarriage width with catwalks		4,495	/ 14' 9"
B	Uppercarriage height		3,585	/ 11' 9"
C	Cab height		3,665	/ 12'
D	Counterweight ground clearance		1,585	/ 5' 2"
E	Rear-end length		4,135	/ 13' 7"
G	Wheelbase		4,770	/ 15' 8"
H	Undercarriage length		5,960	/ 19' 7"
I	Undercarriage ground clearance		745	/ 2' 5"
J	Track height		1,460	/ 4' 9"
K	Track gauge		3,350	/ 11'
L	Track pad width	500 / 20"	600 / 24"	750 / 30"
M	Width over tracks	4,130 / 13' 7"	4,130 / 13' 7"	4,130 / 13' 7"
N	Width over steps	4,760* / 15' 7"	4,760* / 15' 7"	4,760* / 15' 7"

* width with removable steps

		Stick length m / ft in	Mono boom SME 7.00 m / 23' direct mounting mm / ft in
T	Boom height	2.60 / 8' 6" SME 3.00 / 9'10" SME	4,200 / 13' 9" 4,250 / 13'11"
U	Length on ground	2.60 / 8' 6" SME 3.00 / 9'10" SME	11,500 / 37' 9" 6,300 / 20' 8"
V	Overall length	2.60 / 8' 6" SME 3.00 / 9'10" SME	12,800 / 42' 12,900 / 42' 4"
	Bucket		4.50 m³ / 5.88 yd³

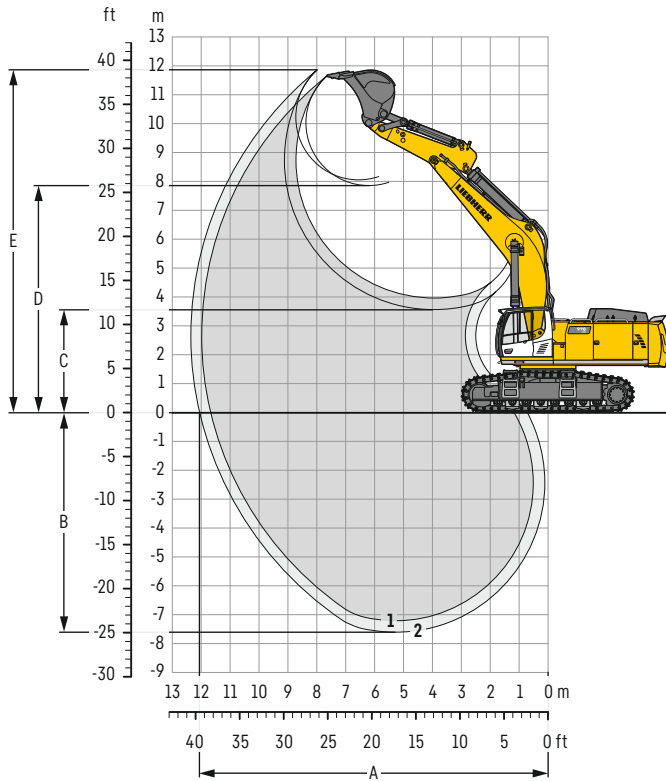
Transport dimensions

removable elements disassembled

		Mono boom SME 7.00 m / 23' mm / ft in
Transport width		4,495 / 14' 9"
	Stick m / ft in	mm / ft in
Transport length	2.60 / 8' 6" SME 3.00 / 9'10" SME	12,800 / 42' 12,900 / 42' 4"
Transport height	2.60 / 8' 6" SME 3.00 / 9'10" SME	4,200 / 13' 9" 4,250 / 13'11"
Bucket		4.50 m³ / 5.88 yd³

Backhoe bucket

with mono boom SME 7.00 m / 23'



Digging envelope

without quick coupler		1	2
Stick length	m / ft in	2.60 / 8'6"	3.00 / 9'10"
		SME	SME
A Max. reach at ground level	m / ft in	11.65 / 38'3"	12.05 / 39' 6"
B Max. digging depth	m / ft in	7.20 / 23'7"	7.60 / 24'11"
C Min. dumping height	m / ft in	3.95 / 13'	3.55 / 11' 8"
D Max. dumping height	m / ft in	7.85 / 25'9"	8.05 / 26' 5"
E Max. cutting height	m / ft in	11.65 / 38'3"	11.85 / 38'11"

Forces

without quick coupler		1	2
Stick digging force (ISO 6015)	kN / lbf	357 / 80,260	328 / 73,740
Bucket digging force (ISO 6015)	kN / lbf	392 / 88,130	392 / 88,130
Stick digging force (SAE J1179)	kN / lbf	335 / 75,310	309 / 69,470
Bucket digging force (SAE J1179)	kN / lbf	339 / 76,210	339 / 76,210

Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 14.5 t / 31,970 lb, mono boom SME 7.00 m / 23', stick SME 2.60 m / 8'6" and HD bucket 4.50 m³ / 5.88 yd³ (4,850 kg / 10,690 lb).

Undercarriage		S-HD		
Pad width	mm / in	500 / 20"	600 / 24"	750 / 30"
Weight	kg / lb	78,350 / 172,730	79,050 / 174,280	80,150 / 176,700
Ground pressure	kg/cm² / psi	1.54 / 21.9	1.30 / 18.5	1.05 / 14.9

Buckets Machine stability per ISO 10567* (75% of tipping capacity)

				S-HD undercarriage SME equipment (with track pads 750 mm / 30")	
				Stick length (m / ft in)	
				2.60 8'6"	3.00 9'10"
HD ¹⁾	Cutting width mm ft in	Capacity m³ yd³	Weight kg lb		
				▲	▲
				▲	■
				▲	▲
HD ²⁾	Cutting width mm ft in	Capacity m³ yd³	Weight kg lb	▲	▲
				▲	■
				▲	▲
				▲	■
HDV ³⁾	Cutting width mm ft in	Capacity m³ yd³	Weight kg lb	▲	▲
				▲	■
				▲	▲
				▲	■
HDV ⁴⁾	Cutting width mm ft in	Capacity m³ yd³	Weight kg lb	▲	▲
				▲	■
				▲	▲
				▲	■

* Indicated loads are based on ISO 10567, at maximum reach, and may be swung 360° on firm and even ground

¹⁾ HD bucket with teeth Z 90 (appropriate for materials above classification 6, according to VOB, Section C, DIN 18300)

²⁾ HD bucket with delta cutting edge and teeth Z 90 (appropriate for materials above classification 6, according to VOB, Section C, DIN 18300)

³⁾ HDV bucket with teeth Z 90 (appropriate for materials above classification 6, according to VOB, Section C, DIN 18300)

⁴⁾ HDV bucket with delta cutting edge and teeth Z 90 (appropriate for materials above classification 6, according to VOB, Section C, DIN 18300)

Other buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³ / 3,400 lb/yd, ■ = ≤ 1.8 t/m³ / 3,000 lb/yd³

Lift capacities

with mono boom SME 7.00 m / 23', counterweight 14.5 t / 31,970 lb and track pads 750 mm / 30"

Stick SME 2.60 m / 8'6"

Under-carriage	Height	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft		m ft in
		Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	
S-HD	9.0m t											13.5* 13.5* 7.3
	30 ft lb											30.1* 30.1* 23'7"
	7.5m t							14.6* 14.6*				12.7* 12.7* 8.5
	25 ft lb							32.0* 32.0*				28.1* 28.1* 27'6"
	6.0m t			23.5* 23.5*		18.1* 18.1*		15.4* 15.4*		14.1* 14.1*		12.5* 12.5* 9.2
	20 ft lb			50.2* 50.2*		39.0* 39.0*		33.5* 33.5*		28.5* 28.5*		27.5* 27.5* 30'1"
	4.5m t					20.8* 20.8*		16.7* 16.7*		14.6* 14.6*		12.6* 12.6* 9.6
	15 ft lb					44.8* 44.8*		36.2* 36.2*		31.8* 31.8*		27.8* 27.8* 31'7"
	3.0m t					23.3* 23.3*		18.0* 18.0*		15.2* 15.2*		13.2* 13.2* 9.8
	10 ft lb					50.1* 50.1*		39.0* 39.0*		33.0* 33.0*		29.0* 29.0* 32'2"
S-LD	1.5m t					24.5* 24.5*		18.9* 18.9*		15.2* 15.2*		13.6* 14.2* 9.7
	5 ft lb					52.9* 52.9*		41.0* 41.0*		32.7* 33.8*		30.0* 31.2* 32'
	0m t			24.6* 24.6*		24.3* 24.3*		19.1* 19.1*		15.0* 15.5*		14.2* 14.5* 9.4
	0 ft lb			57.6* 57.6*		52.8* 52.8*		41.3* 41.3*		32.4* 33.4*		31.2* 32.0* 30'11"
	-1.5m t	26.2* 26.2*	29.1* 29.1*			23.1* 23.1*		18.2* 18.2*				14.6* 14.6* 8.8
	-5 ft lb	59.2* 59.2*	63.4* 63.4*			50.0* 50.0*		39.4* 39.4*				32.2* 32.2* 28'11"
	-3.0m t	29.8* 29.8*	25.4* 25.4*			20.4* 20.4*		15.8* 15.8*				14.4* 14.4* 7.9
	-10 ft lb	65.2* 65.2*	55.1* 55.1*			44.0* 44.0*		33.7* 33.7*				31.7* 31.7* 25'10"
	-4.5m t		19.0* 19.0*			14.8* 14.8*						13.1* 13.1* 6.5
	-15 ft lb		40.6* 40.6*			31.1* 31.1*						28.6* 28.6* 20'11"

Stick SME 3.00 m / 9'10"

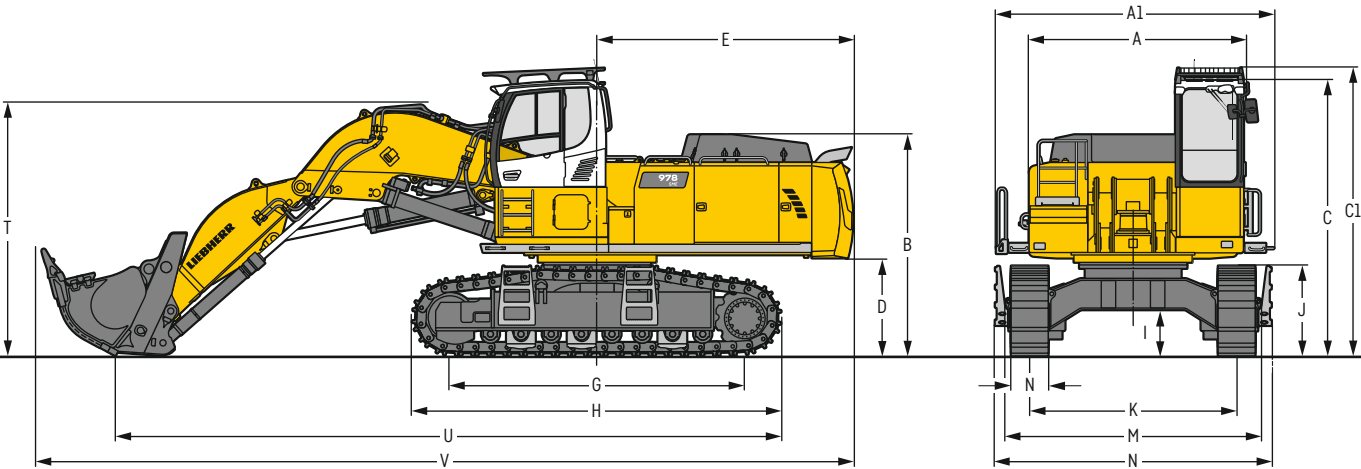
Under-carriage	Height	3.0m 10 ft		4.5m 15 ft		6.0m 20 ft		7.5m 25 ft		9.0m 30 ft		m ft in
		Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	Can be slewed through 360°	In longitudinal position of undercarriage	
S-HD	9.0m t											13.8* 13.8* 7.8
	30 ft lb											25.3* 25.3* 25'4"
	7.5m t											13.8* 13.8* 8.9
	25 ft lb											30.2* 30.2* 28'11"
	6.0m t					17.0* 17.0*		14.7* 14.7*		13.4* 13.4*		10.5* 10.5* 9.6
	20 ft lb					36.8* 36.8*		31.9* 31.9*		29.4* 29.4*		23.2* 23.2* 31'5"
	4.5m t			28.4* 28.4*		19.8* 19.8*		16.0* 16.0*		14.0* 14.0*		10.6* 10.6* 10.0
	15 ft lb			60.3* 60.3*		42.6* 42.6*		34.8* 34.8*		30.5* 30.5*		23.4* 23.4* 32'10"
	3.0m t					22.4* 22.4*		17.5* 17.5*		14.7* 14.7*		11.1* 11.1* 10.2
	10 ft lb					48.3* 48.3*		37.8* 37.8*		32.0* 32.0*		24.4* 24.4* 33'5"
S-LD	1.5m t					24.0* 24.0*		18.5* 18.5*		15.1* 15.3*		11.8* 11.8* 10.1
	5 ft lb					51.8* 51.8*		40.0* 40.0*		32.5* 33.1*		26.1* 26.1* 33'2"
	0m t			26.9* 26.9*		24.2* 24.2*		18.9* 18.9*		14.8* 15.4*		13.1* 13.1* 9.8
	0 ft lb			62.0* 62.0*		52.5* 52.5*		40.9* 40.9*		32.0* 33.2*		29.0* 29.0* 32'2"
	-1.5m t	25.4* 25.4*	30.2* 30.2*			23.3* 23.3*		18.3* 18.3*		14.6* 14.6*		13.9* 13.9* 9.2
	-5 ft lb	57.1* 57.1*	65.8* 65.8*			50.5* 50.5*		39.7* 39.7*		31.3* 31.3*		30.7* 30.7* 30'4"
	-3.0m t	33.6* 33.6*	26.8* 26.8*			21.0* 21.0*		16.5* 16.5*				13.9* 13.9* 8.4
	-10 ft lb	73.3* 73.3*	58.0* 58.0*			45.4* 45.4*		35.4* 35.4*				30.5* 30.5* 27'4"
	-4.5m t		21.1* 21.1*			16.6* 16.6*						13.1* 13.1* 7.0
	-15 ft lb		45.2* 45.2*			35.2* 35.2*						28.6* 28.6* 22'10"

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

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 750 mm / 30" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via *). Without bucket cylinder, link and lever the lift capacities will increase by 1,220 kg / 2,690 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

Dimensions front shovel



	S-HD	mm / ft in		S-HD	mm / ft in
A	Uppercarriage width	3,515 / 11'6"	I	Undercarriage ground clearance	745 / 2' 5"
A1	Uppercarriage width with catwalks	4,495 / 14'9"	J	Track height	1,460 / 4' 9"
B	Uppercarriage height	3,585 / 11'9"	K	Track gauge	3,350 / 11'
C	Cab height	4,465 / 14'8"	L	Track pad width	500 / 20" 600 / 24" 750 / 30"
C1	Cab height with FOPS top guard	4,660 / 15'3"	M	Width over tracks	4,130 / 13' 7" 4,130 / 13' 7" 4,130 / 13' 7"
D	Counterweight ground clearance	1,585 / 5'2"	N	Width over steps	4,760* / 15' 7"" 4,760* / 15' 7"" 4,760* / 15' 7""
E	Rear-end length	4,135 / 13'7"	T	Boom height	4,100 / 13' 5"
G	Wheelbase	4,770 / 15'8"	U	Length on ground	10,750 / 35' 3"
H	Undercarriage length	5,960 / 19'7"	V	Overall length	13,200 / 43' 4"

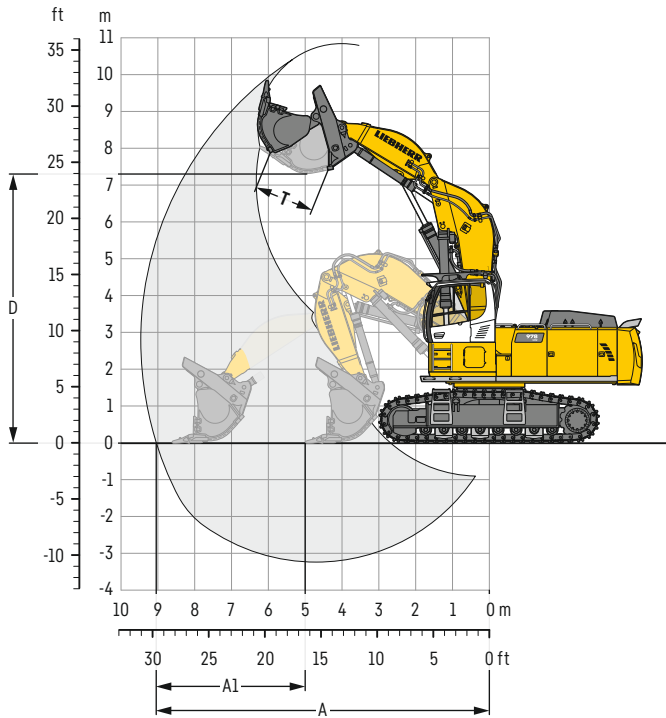
* width with removable steps

Transport dimensions

removable elements disassembled

	Shovel equipment
	mm / ft in
Transport width	4,495 / 14'9"
Transport length	13,200 / 43'4"
Transport height	4,660 / 15'3"
Shovel	4.50 m³ / 5.88 yd³

Front shovel



Digging envelope

A	Max. reach at ground level	m / ft in	9.05 / 29' 8"
A1	Max. crowd length	m / ft in	3.60 / 11' 10"
D	Max. dumping height	m / ft in	7.30 / 23' 11"
T	Bucket opening width	mm / ft in	1,650 / 5' 5"

Forces

Max. crowd force	kN / lbf	500 / 112,410
Max. crowd force at ground level	kN / lbf	410 / 92,170
Max. breakout force	kN / lbf	370 / 83,180

Operating weight and ground pressure

The operating weight includes the basic machine with cab elevation 800 mm / 2'7", shovel equipment SME and front shovel 4.50 m³ / 5.88 yd³ (7,200 kg / 15,870 lb), level II.

Undercarriage		S-HD		
Pad width	mm / in	500 / 20"	600 / 24"	750 / 30"
Weight	kg / lb	79,100 / 174,390	79,900 / 176,150	81,000 / 178,570
Ground pressure	kg/cm² / psi	1.55 / 22.0	1.31 / 18.6	1.06 / 15.1

Front shovels

Cutting width	Capacity ISO 7451	Weight	Wear kit level	
mm	m³	kg		
ft in	yd³	lb		
2,600	4.00	7,900	I	
8'6"	5.23	17,420		▲
2,600	4.50	6,700	I	
8'6"	5.88	14,770		■
2,600	4.50	7,200	II	
8'6"	5.88	15,870		■
2,600	4.50	7,800	III	
8'6"	5.88	17,200		■
2,600	5.00	6,800	I	
8'6"	6.54	14,990		▲
2,600	5.00	7,500	II	
8'6"	6.54	16,540		▲

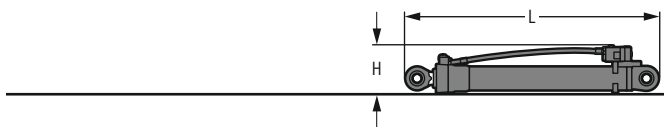
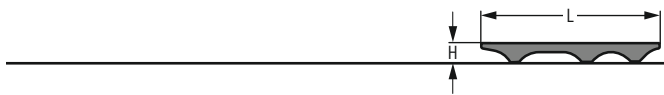
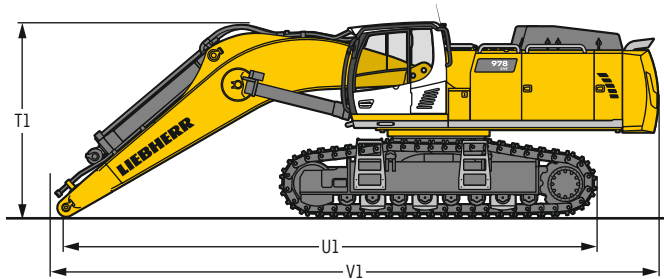
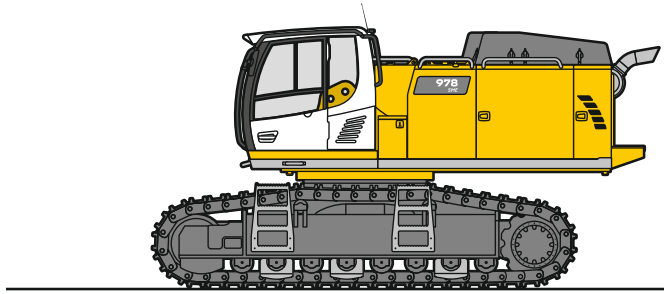
Level I: For non-abrasive materials, such as limestone without flint inclusion, shot material or easily breakable rock, i.e., deteriorated rock, soft limestone, shale, etc.

Level II: For pre-blasted heavy rock, or deteriorated, cracked material (classification 3 to 4, according to DIN 18300)

Level III: For highly-abrasive materials such as rock with a high silica content, sandstone etc.

Max. material weight ▲ = ≤ 2.0 t/m³ / 3,400 lb/yd³, ■ = ≤ 1.8 t/m³ / 3,000 lb/yd³, ▲ = ≤ 1.65 t/m³ / 2,800 lb/yd³

Dimensions and weights



Basic machine

Track pads	mm / in	500 / 20"	600 / 24"	750 / 30"
Weight with backhoe equipment and S-HD undercarriage without counterweight	kg / lb	46,200 / 101,850	46,950 / 103,510	48,050 / 105,930
Weight with shovel equipment and S-HD undercarriage without counterweight	kg / lb	46,200 / 101,850	46,950 / 103,510	48,050 / 105,930

Machine without stick

T1	mm / ft in	3,650 / 12'
U1	mm / ft in	10,050 / 33'
V1	mm / ft in	11,450 / 37'7"

Cab elevation

			800 mm / 2'7"
L	Length	mm / ft in	1,890 / 6'2"
H	Height	mm / ft in	930 / 3'1"
	Width	mm / ft in	1,370 / 4'6"
	Weight	kg / lb	600 / 1,320

Counterweight

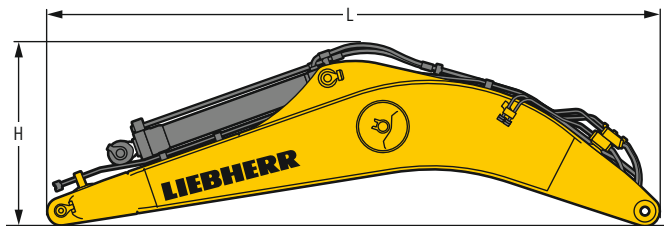
L	Length	mm / ft in	770 / 2'6"
H	Height	mm / ft in	1,550 / 5'1"
	Width	mm / ft in	3,360 / 11'
	Weight	kg / lb	14,500 / 31,970

Upper protection screen

L	Length	mm / ft in	1,960 / 6'5"
H	Height	mm / ft in	190 / 7"
	Width	mm / ft in	1,110 / 3'8"
	Weight	kg / lb	75 / 170

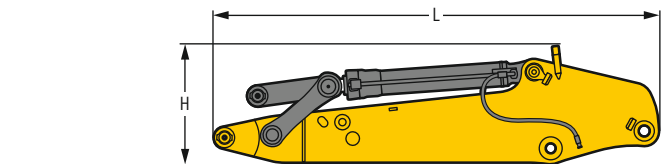
Hoist cylinders (two)

L	Length	mm / ft in	2,650 / 8'8"
H	Height	mm / ft in	490 / 1'7"
	Width	mm / ft in	360 / 1'2"
	Weight	kg / lb	2 x 750 / 2 x 1,650



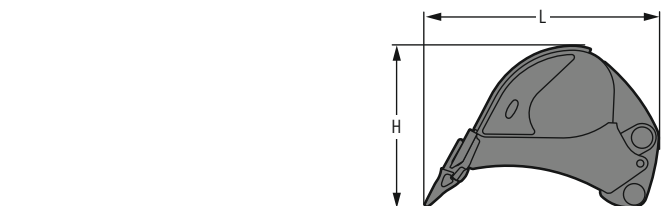
Mono boom with stick cylinder

Boom length	m / ft in	7,00 / 23'
L Length	mm / ft in	7,350 / 24'1"
H Height	mm / ft in	2,250 / 7'5"
Width	mm / ft in	1,450 / 4'9"
Weight	kg / lb	7,350 / 16,200



Stick with bucket cylinder

Stick length	m / ft in	2,60 / 8'6"	3,00 / 9'10"
L Length	mm / ft in	4,000 / 13'1"	4,400 / 14' 5"
H Height	mm / ft in	1,350 / 4'5"	1,350 / 4' 5"
Width	mm / ft in	950 / 3'1"	950 / 3' 1"
Weight	kg / lb	3,900 / 8,600	4,150 / 9,150

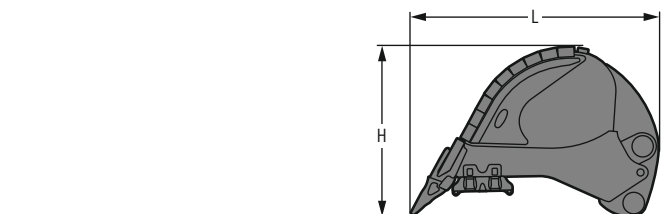


Backhoe buckets

HD

Cutting width	mm / ft in	2,200 / 7'3"	2,300 / 7'7"	2,200* / 7'3"	2,300* / 7'7"
Capacity	m³ / yd³	4,50 / 5.88	5,00 / 6.54	4,50 / 5.88	5,00 / 6.54
L Length	mm / ft in	2,650 / 8' 8"	2,650 / 8' 8"	2,750 / 9'	2,750 / 9'
H Height	mm / ft in	1,800 / 5'11"	1,800 / 5'11"	1,850 / 6'1"	1,850 / 6'1"
Width	mm / ft in	2,250 / 7' 5"	2,350 / 7' 9"	2,250 / 7'5"	2,350 / 7'9"
Weight	kg / lb	4,850 / 10,690	5,050 / 11,130	4,950 / 10,910	5,200 / 11,460

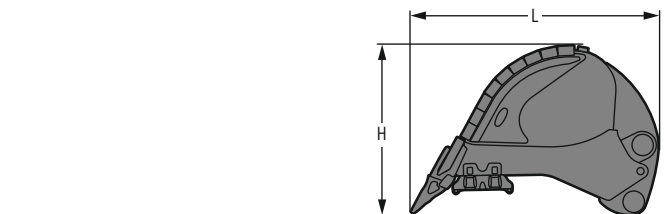
* with delta cutting edge



Backhoe buckets

HDV

Cutting width	mm / ft in	2,000 / 6'7"	2,200 / 7'3"	2,300 / 7'7"
Capacity	m³ / yd³	4,00 / 5.23	4,50 / 5.88	5,00 / 6.54
L Length	mm / ft in	2,650 / 8' 8"	2,650 / 8' 8"	2,650 / 8' 8"
H Height	mm / ft in	1,800 / 5'11"	1,800 / 5'11"	1,800 / 5'11"
Width	mm / ft in	2,050 / 6' 9"	2,250 / 7' 5"	2,350 / 7' 9"
Weight	kg / lb	5,000 / 11,020	5,350 / 11,800	5,600 / 12,350



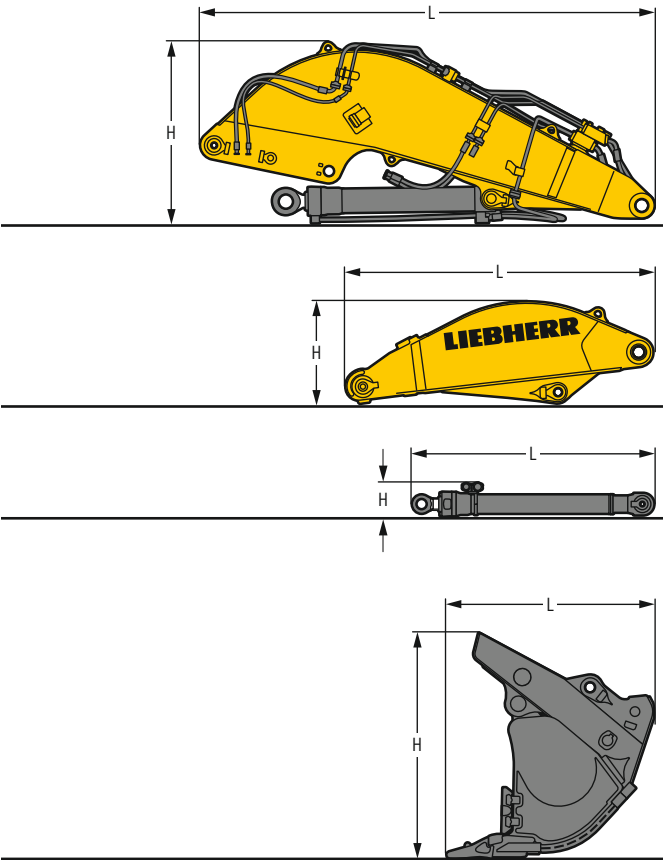
Backhoe buckets

HDV

Cutting width	mm / ft in	2,000* / 6'7"	2,200* / 7'3"	2,300* / 7'7"
Capacity	m³ / yd³	4,00 / 5.23	4,50 / 5.88	5,00 / 6.54
L Length	mm / ft in	2,750 / 9'	2,750 / 9'	2,750 / 9'
H Height	mm / ft in	1,850 / 6'1"	1,850 / 6'1"	1,850 / 6'1"
Width	mm / ft in	2,050 / 6'9"	2,250 / 7'5"	2,350 / 7'9"
Weight	kg / lb	5,100 / 11,240	5,450 / 12,020	5,700 / 12,570

* with delta cutting edge

Dimensions and weights



Shovel boom

L	Length	mm / ft in	4,750 / 15'7"
H	Height	mm / ft in	1,950 / 6'5"
	Width	mm / ft in	1,900 / 6'3"
	Weight without crowd cylinder	kg / lb	5,050 / 11,130
	Weight crowd cylinder	kg / lb	650 / 1,430

Shovel stick

L	Length	mm / ft in	3,250 / 10' 8"
H	Height	mm / ft in	1,100 / 3' 7"
	Width	mm / ft in	1,500 / 4'11"
	Weight	kg / lb	2,500 / 5,510

Shovel bucket cylinders (two)

L	Length	mm / ft in	2,550 / 8'4"
H	Height	mm / ft in	350 / 1'2"
	Width	mm / ft in	500 / 1'8"
	Weight	kg / lb	2 x 400 / 2 x 880

Front shovels

Cutting width	mm / ft in	2,600 / 8'6"	2,600 / 8'6"	2,600 / 8'6"
Capacity	m³ / yd³	4.00 / 5.23	4.50 / 5.88	5.00 / 6.54
L Length		2,200 / 7' 3"	2,200 / 7' 3"	2,300 / 7'7"
H Height	mm / ft in	2,400 / 7'10"	2,400 / 7'10"	2,500 / 8'2"
Width	mm / ft in	2,650 / 8' 8"	2,650 / 8' 8"	2,650 / 8'8"
Weight				
Level I	kg / lb	-	6,700 / 14,770	6,800 / 14,990
Level II	kg / lb	-	7,200 / 15,870	7,500 / 16,540
Level III	kg / lb	7,900 / 17,420	7,800 / 17,200	