

Cost-effective Timber Handling with Liebherr-Construction Machines



LIEBHERR

Liebherr-Wheel Loaders and

With its wheel loaders for the timber trade, Liebherr sets new performance, economy and environmental protection standards. Fuel consumption is up to 25 percent lower than comparable machines. This in turn reduces exhaust emissions and minimises the impact on the environment. Innovative technology and low operating costs make the machines especially cost-effective. Thanks to their reliability, quality and durability Liebherr-wheel loaders are a worthwhile investment for your company.



-Wheeled Excavators

Since timber is handled in a variety of shapes and sizes, the machinery used to move and load it has to be extremely versatile, with a big range of working attachments available for specific tasks. Liebherr can always supply the most suitable wheeled excavator to operate in a sawmill, a timber yard or a papermaking plant. Liebherr-wheeled excavators are ideal for bulk material handling when the task calls for mobility, frequent manoeuvrability and high performance. Alternatively, an excavator superstructure can be mounted on a column for stationary use, or on a travelling gantry. From the raised cab, the operator has a clear view of the entire working area.



Liebherr-Telescopic Handlers

Liebherr-telescopic handlers are a well-planned design, ideal for timber handling. They have two lifting cylinders for high breakout force and minimum torsional loads on the boom. The low boom pivot point and long wheelbase ensure a well-positioned centre of gravity and stability on the move. To suit the task in hand, the machine's dynamic response can be varied by pressing a button: dynamic acceleration for handling and loading wood chips, or a smoother rate of acceleration for reliable movement of stacked timber. The multifunctional joystick controls all power hydraulic movements and the direction of travel. There is fine control for accurate positioning in every working range, regardless of the load.

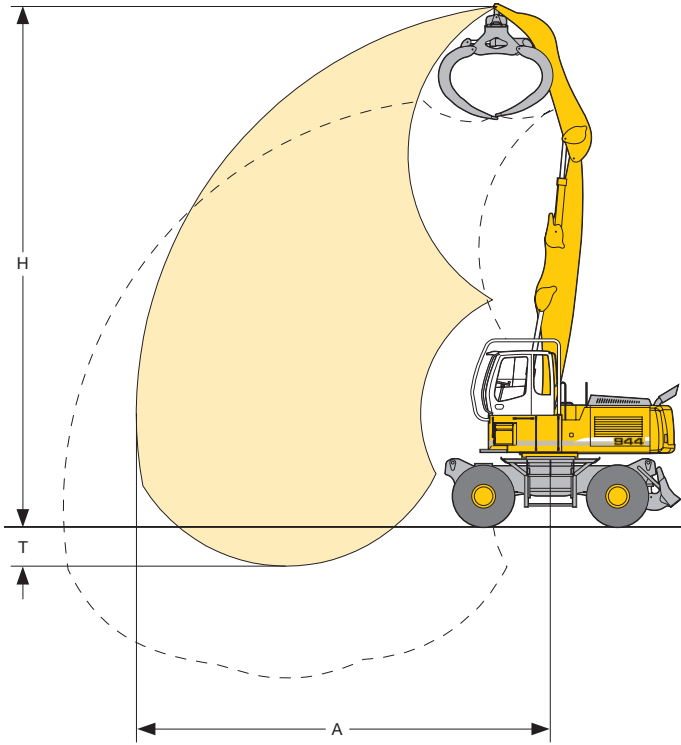


and -Crawler Tractors

Liebherr-crawler tractors offer exceptional operating reliability and economy when handling wood chips and shavings. Stepless hydrostatic transmission means excellent traction on soft surfaces, and the low centre of gravity is a safety factor when working on steep stockpiles. Extra-large dozer blades can be specified to match the low weight of the material and increase the handling rate. Since a high level of machine availability is essential for material handling, Liebherr supplies a full range of purpose-built equipment to ensure optimal working conditions for both operator and machine.



Performance, Power and Speed for High

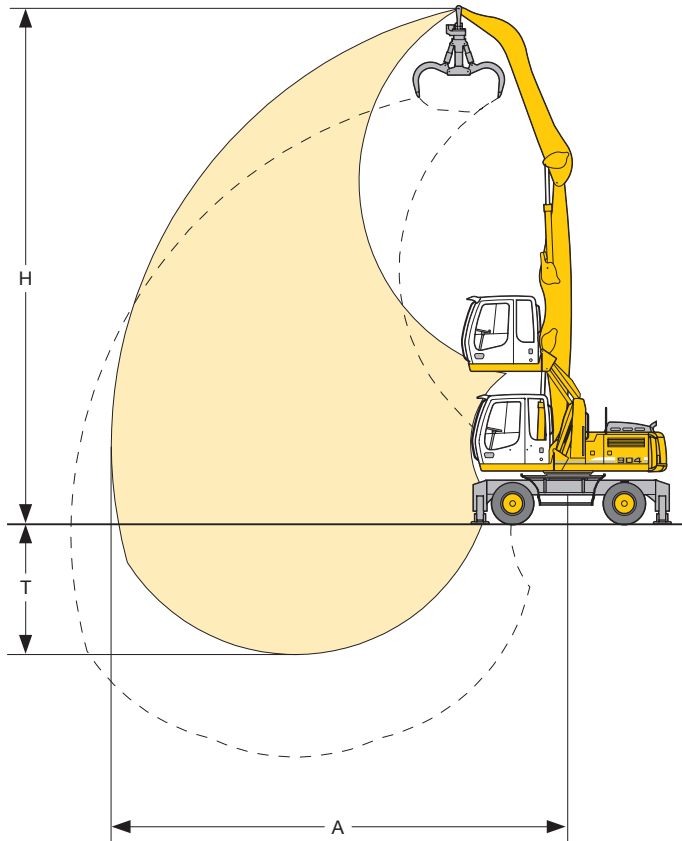


Attachment for Load Carrying/Loading Operations.

The dozer blade can be used to keep roads clean in the lumber yard.

Hydraulic Excavator	Load Carrying			Loading Operations		
	A 924 C HD	A 934 C HD	A 944 C HD	A 316	A 904 C	A 904 C HD
	Litronic [®]	Litronic [®]	Litronic [®]	Litronic [®]	Litronic [®]	Litronic [®]
	blade	blade	blade	4 pt. outriggers	4 pt. outriggers	4 pt. outriggers
	all wheel steering	all wheel steering	all wheel steering	loading operations	loading operations	loading operations
Operating weight	kg	kg	kg	kg	kg	kg
Engine output	kW (HP)	kW (HP)	kW (HP)	kW (HP)	kW (HP)	kW (HP)
Width of undercarriage	mm	mm	mm	mm	mm	mm
Stabilizer over all width	mm	mm	mm	mm	mm	mm
Length of boom/stick	m	m	m	m	m	m
H	m	m	m	m	m	m
A	m	m	m	m	m	m
T	m	m	m	m	m	m
Standard wood grapple model	20 B	GMH 50	GMH 50	10 B	10 B	10 B
Capacity	m ²	m ²	m ²	m ²	m ²	m ²
Overall height (open)	mm	mm	mm	mm	mm	mm
Weight of grapple	kg	kg	kg	kg	kg	kg

Handling Capacities.

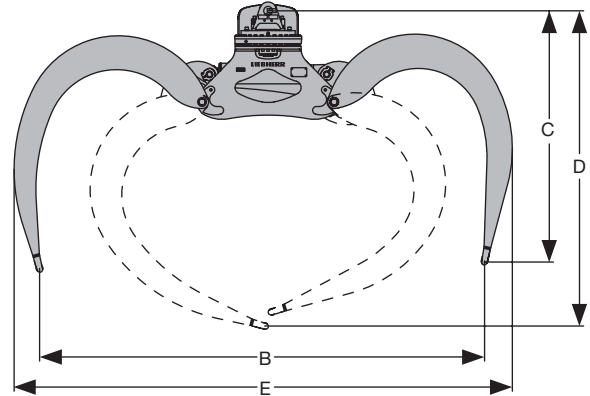
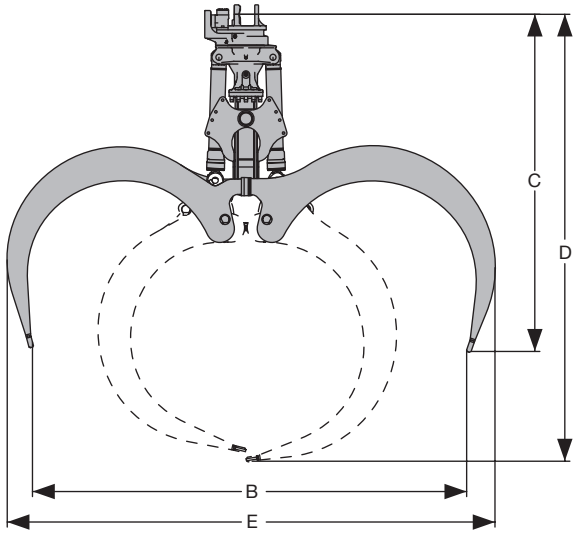


Attachment for Loading Operations.

Four outriggers provide the machine with high stability throughout its working range.

Hydraulic Excavator	Loading Operations					
	A 924 C	A 924 C HD	A 934 C	A 934 C HD	A 944 C HD	A 954 C HD
	Litronic [®]	Litronic [®]	Litronic [®]	Litronic [®]	Litronic [®]	Litronic [®]
	4 pt. outriggers loading operations	4 pt. outriggers loading operations	4 pt. outriggers loading operations	4 pt. outriggers loading operations	4 pt. outriggers loading operations	4 pt. outriggers loading operations
Operating weight	kg	28,300	32,900	36,800	42,250	58,450
Engine output	kW (HP)	135 (184)	135 (184)	150 (204)	150 (204)	190 (258)
Width of undercarriage	mm	2,750	2,990	2,990	3,200	3,500
Stabilizer over all width	mm	4,250	4,700	4,700	5,250	5,750
Length of boom/stick	m	6.80/6.00	7.80/6.00	8.60/6.00	8.60/7.50	10.50/9.50
H	m	14.2	15.3	16.2	17.7	21.8
A	m	12.7	13.7	14.3	15.8	19.5
T	m	4.3	4.3	3.7	5.0	6.5
Standard wood grapple model		10 B/20 B	10 B/20 B	20 B	GMH 50	GMH 50
Capacity	m ²	1.3/1.7	1.3/1.7	1.7/2.1	2.5	3.6
Overall height (open)	mm	1,837/2,379	1,837/2,379	2,379/2,506	2,162	2,376
Weight of grapple	kg	1,388/1,777	1,388/1,777	1,777/1,950	2,158	2,571
						on request

Wood Tongs



Wood grapple claw	Surface area m ²	A mm	B mm	C mm	D mm	E mm	Weight kg
GM 10 B	0.8	810	2,217	1,734	2,377	2,465	1,270
	1	810	2,410	1,779	2,472	2,666	1,314
	1.3	810	2,687	1,837	2,622	2,959	1,388
	1.5	810	2,806	1,862	2,687	3,083	1,440
GM 20 B	1	810	2,416	2,266	3,820	2,718	1,580
	1.3	810	2,639	2,327	2,948	2,945	1,674
	1.5	810	2,737	2,353	3,004	3,043	1,724
	1.7	810	2,833	2,379	3,060	3,180	1,777
	1.9	810	3,126	2,460	3,154	3,471	1,908
	2.1	810	3,273	2,506	3,309	3,610	1,950
	2.5	810	3,394	2,528	3,405	3,823	1,989
	2.8	810	3,561	2,574	3,500	4,029	2,064
GMH 50	2.5	870	3,610	2,162	2,602	3,994	2,158
	2.8	1,000	3,737	2,223	2,682	4,289	2,399
	3.2	1,000	3,813	2,263	2,733	4,300	2,453
	3.6	1,000	3,991	2,376	2,894	4,528	2,571
GM 22 BH	1	900	2,345	2,680	3,250	2,620	1,895
	1.35	900	2,655	2,760	3,425	2,955	1,975
	1.7	900	2,895	2,820	3,555	3,225	2,115
	2	900	3,235	2,825	3,675	3,560	2,155
GM 25 BH	2.8	900	4,265	2,975	4,065	4,180	3,110
	1.7	1,000	2,975	3,085	3,815	3,300	3,350

A: Claw width, B: Opening, C: Height, open, D: Height, tip to tip, E: Span width of grapple, open

Equipment



Undercarriage

	S	O
Two speed powershift transmission plus creeper speed	•	
Two circuit travel brake with accumulator	•	
Proportional power steering with mechanical back up	•	
Service free parking brake inside transmission (spring activated)	•	
Autocheckvalve directly on each stabilizer cylinder	•	
Lockable large rustfree storage box	•	
Side protection		✓
Cylinder rod protection	•	
Customized colors	•	
Choice of tires	•	



Uppercarriage

	S	O
Engine hood with lift help	•	
Lockable tool box	•	
Handrails, slip resistant surfaces	•	
Tool kit	•	
Maintenance-free swing brake lock	•	
Maintenance-free HD-batteries	•	
Sound insulation	•	
Pin lock upper/lower	•	
Uppercarriage protection		✓
Additional lights on counterweight	•	
Electric fuel tank filler pump	•	
Pedal controlled positioning swing brake	•	
Customized colors	•	



Hydraulics

	S	O
Electronic pump regulation at all RPM	•	
Stepless mode system (ECO)	•	
Tank shut off valve in suction line	•	
Pressure compensation	•	
Flow compensation	•	
Test points for pressure checks	•	
Special cooler	•	
Bio degradable hydraulic oils	•	
Additional hydraulic circuits	•	



Engine

	S	O
Direct injection	•	
Turbo charger	•	
Air filter with precleaner, main- and safety element	•	
Centrifugal dust extractor		✓
Main switch for electric circuit	•	
Automatic idling	•	
Cold start aid	•	



Operator's Cab

	S	O
Deep drawn cab shell components	•	
All tinted windows	•	
Door with sliding window	•	
Adjustable steering column	•	
Cab heater with defroster	•	
All-round adjustable roof flap	•	
Rain hood over front window opening	•	
Wiper/washer	•	
6-way adjustable seat	•	
Seat and consoles independently adjustable	•	
Clothes hook	•	
Dome light	•	
Sun shade	•	
Inside rear mirror	•	
Cigarette lighter and ashtray	•	
Removable customized foot mat	•	
Storage tray	•	
Digital instruments for oil temp, engine RPM and oil pressure	•	
Hour meter	•	
Cab protection		✓
Forward/reverse switch in joystick lever		✓
Removable lower section of front window with inside storage place	•	
Raised cab	•	
Additional lights	•	
Preparation for radio installation	•	
Stereo radio	•	
Airpressure adjustable seat	•	
Beacon	•	
Optical and acoustical warning when outriggers extended	•	
Electronic drive away lock	•	
Air condition	•	



Attachment

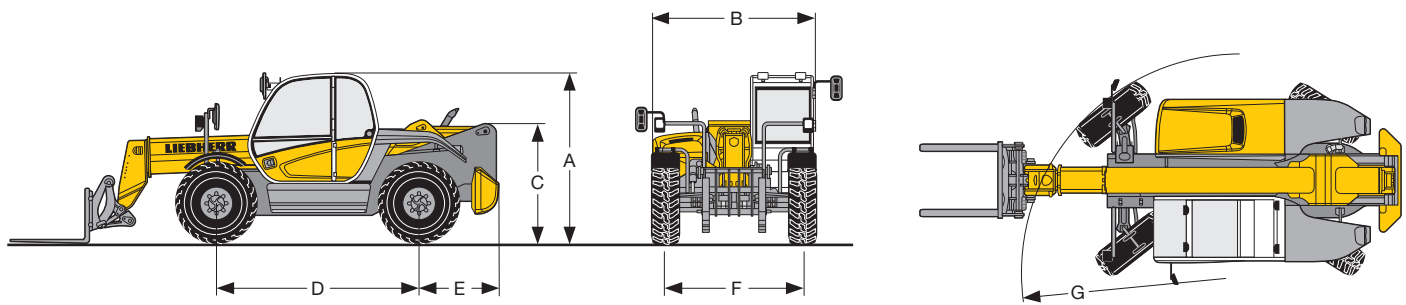
	S	O
Cylinders with shock absorber	•	
Sealed pivots	•	
Centralized lube points	•	
SAE-dbl. flange connection for all hi-pressure lines	•	
Hose quick connections	•	
Hydr. lines for clam operation on industrial sticks	•	
Hoist cylinder shock absorber	•	
Liebherr clams and grapples with two hydr. swivel motors		✓
Dead heel for long timber		✓
Additional lights	•	
Safety check valves for all attachment cylinders	•	
Overload warning device	•	
Industrial sticks with remote hydraulic pin puller	•	
Customized colors	•	

S = Standard, O = Option, ✓ = specially recommend for wood applications

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.

Telescopic Handlers

TL 435-10 - TL 442-13



Dimensions

A Overall height (without rotating beacon)	mm	2,395
B Overall width over standard tyres	mm	2,400
C Height at rear	mm	1,685
D Wheelbase	mm	2,950
E Rear overhang	mm	1,135
F Track gauge	mm	1,985
G Outside turning radius over tyres	mm	3,720
Ground clearance (mid-vehicle)	mm	400

Telescopic Handlers

		TL 435-10 Litronic	TL 445-10 Litronic	TL 435-13 Litronic	TL 442-13 Litronic
Engine power	kW/HP	84/114	84/114	84/114	84/114
Max. lift capacity	kg	3,500	4,500	3,500	4,200
Max. lift height	m	9.8	9.8	13.0	13.0
Operating weight	kg	8,900	9,600	9,800	10,900

Equipment for wood handling

Equipment	Specification
Carriage with forks	Length of the forks: 1,100 – 1,500 mm Width: 1,200 – 2,000 mm
Log grapple with hydraulic hold down device	Length of the forks: 1,200 mm Max. grapple opening: 1,740 mm Grapple diameter: 1 m ³
Light-material bucket	Width: 2,500 mm Capacity: 1.5 m ³ – 4.0 m ³
Bucket with hydraulic grapple	Capacity: 2 m ³ Straight or curved grapple

Equipment

TL 445-10 - TL 442-13



Basic machine

2-stage boom	(2)	•
3-stage synchronised boom	(1)	•
John Deere 84 kW turbo diesel engine		•
Front stabilisers, hydraulic	(1)	•
Hydrostatic fan-drive system		•
Crankcase ventilation with leak-oil return		•
3 steering modes		•
Frame levelling system		•
45% limited-slip differential in front axle		•
Wheel chocks		•
Cylinder support		•
Towing hitch		+
Diesel particle filter		+
Rear-axle oscillation lock		+
Filling with bio-degradable hydraulic oil		+
Waste kit comprising seal engine compartment and main frame		+
Reversible fan		+
Special paint		+
Road-use registration		+



Travel drive

Automatic parking brake		•
Adjustable travel drive		•
Precise-control function		•
Hydrostatic travel drive, stepless		•
Combined inch-brake pedal		•
20 km/h/12.4 mph limit		+
40 km/h/24.7 mph speeder		+
Cruise control		+



Implement hydraulics

Deactivation of implement hydraulics		•
Reduced boom speed near tipping		•
Electronic end-position damping of boom functions		•
Precise-control function		•
Load-sensing variable displacement pump		•
LUDV – Load-independent flow distribution		•
Auxiliary implement hydraulic circuit 1		•
Autopower function		+
Boom suspension		+
Memory function for constant flow rate		+
Automatic bucket repositioning		+
Float position		+
Boom side-shift	(1)	+
Auxiliary implement hydraulic circuit 2		+



Instruments

Mode for travel drive		•
Hour meter		•
Electronic overload warning system		•
Travel speed		•
Driving direction		•
Precise-control function		•
Full beam		•
Fuel level		•
Engine coolant temperature		•
Steering mode		•
Inclination indication		•
Clock		•
Preheat system – diesel engine		•
Auxiliary implement hydraulic circuit 1		•
Constant flow rate		+
Access platform mode	(1)	+
Auxiliary implement hydraulic circuit 2		+



Control and warning lights

Battery charging		•
Indicator system		•
Diesel engine failure		•
rpm limitation		•
Electronic control		•
Parking brake		•
Synchrony of boom stages	(1)	•
Lifting capacity exceeded		•
Hydraulic filter contamination indication		•
Air filter		•
Engine-oil pressure		•
Emergency service		•
Replenishing pressure closed circuit		•
Road usage		•
Overload warning system		•
Control reversible fan		+



Attachments

Mechanical quick hitch		•
Hydraulic quick hitch		+
Towing hitch		+
Access platform according to EN 280	(1)	+
Boom extension		+
Bale clamp		+
Container hooks		+
Carriage with floating forks		+
Carriage with fix forks		+
Auxiliary implement hydraulic circuit rear		+
Crane hooks		+
General purpose bucket with and without teeth and/or cutting edge		+
Light-material bucket		+
Multi-purpose bucket		+
Bucket with hydraulic grapple		+
Side-dump bucket		+
Winch		+



Electrical system

Emergency stop button		•
12 V power socket		•
Overload warning system cut-off		•
Hazard warning lights		•
Working light on boom		+
Working light, rear		+
Working lights, front		+
Rotating beacon		+



Operator's cab

Pocket in driver's door		•
Adjustable armrests		•
Ashtray		•
Hinged wing mirror		•
Mat		•
Document pocket		•
Pressurised ventilation		•
Mechanically cushioned driver's seat		•
Travel-direction control switch integrated into joystick		•
Precise-control function for travel or working hydraulics		•
Bottle holder		•
Split driver's door		•
Hinged rear window		•
Horn		•
Interior light		•
Intermittent windscreen-wiper system, front		•
Coat hook		•
Liebherr multifunction joystick		•
Emergency exit		•
Radio installation prepared		•
ROPS/FOPS sound absorbent cab		•
Windscreen-wiper system, rear		•
Seat belt		•
Tinted safety glass		•
Warm-water heating		•
Heated wing mirror		+
Pneumatically cushioned driver's seat		+
Fire extinguisher		+
Interior mirror		+
Air conditioning		+
Two-way adjustable steering column		+
Radio		+
Back-up alarm		+
Wiper, roof		+
Protective ventilation system		+
Screen guard for cab front windscreen		+
Roll-down sun visor for windscreen and roof panel		+

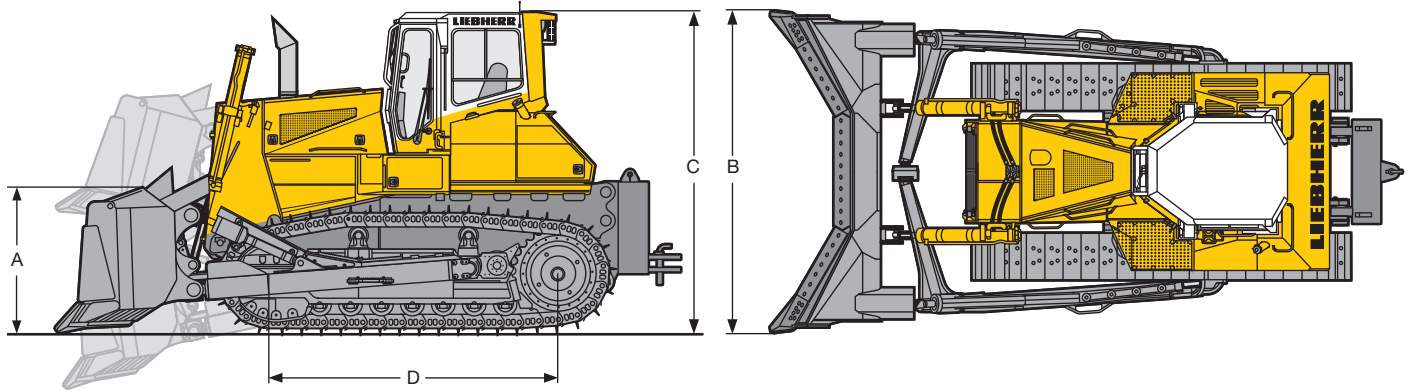
• = Standard, + = Optional
 (1) = TL 435-13 and TL 442-13
 (2) = TL 435-10 and TL 445-10

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

Other add-on equipment available on request.

Crawler Tractors

PR 724 Litronic® - PR 764 Litronic®



Crawler Tractors		PR 724 Litronic®	PR 734 Litronic®	PR 744 Litronic®	PR 754 Litronic®	PR 764 Litronic®
Engine output	kW/HP	120/163	150/204	185/252	250/340	310/422
Operating weight	kg	19,937	24,244	28,445	40,762	51,208
Blade capacity (Woodchip blade)	m³	14.10	17.60	20.60	30.85	47.40
A Height of blade	mm	1,675	1,905	2,135	2,406	3,124
B Width of blade	mm	4,420	4,875	4,875	5,543	5,486
C Height over cab	mm	3,197	3,258	3,434	3,630	3,935
D Distance idler/sprocket center	mm	3,210	3,240	2,992	3,174	3,540
Ground clearance	mm	475	494	545	630	695
Track shoes	mm	610	610	710	710	760
Ground pressure	kg/cm²	0.51	0.61	0.62	0.90	1.14
Counterweight	kg	1,560	1,990	3,175	4,000	4,950

Equipment

PR 724 Litronic® - PR 764 Litronic®



Basic machine

	s	o
Tow switch	•	
Towing hitch rear	•	
Towing lug front	•	
Forestry equipment		•
Landfill equipment		•
Battery compartment, lockable	•	
Filling with bio-degradable hydraulic oil	•	
Tank guard		•
Refuelling pump, electric		•
Belly pans, heavy-duty	•	
Cold start device, glow plug	•	
Diesel particulate filter		•
Radiator, wide-meshed	•	
Radiator guard, heavy-duty		•
Radiator guard, hinged	•	
Liebherr diesel engine	•	
Fan, hydraulically driven	•	
Fan, hydraulically driven, reversible		•
Fan guard	•	
Engine doors, hinged, lockable	•	
Lugs for crane lifting		•
Special paint		•
Fuel water separator	•	
Fuel water separator with electric heater		•
Air filter, dry-type, dual step	•	
Pre-cleaner with automatic dust ejector	•	
Toolkit	•	



Travel drive

	s	o
Parking brake, automatic	•	
Function control, automatic	•	
Control, single joystick	•	
Load limit control, electronic	•	
Electronic control	•	
Travel control, 3-speed	•	
Hydrostatic travel drive	•	
Inching brake pedal (PR 724 – PR 744)		•
Inching brake pedal (PR 754 – PR 764)	•	
Emergency stop	•	
Oil cooler	•	
Final drives planetary gear	•	
Safety lever	•	



Undercarriage

	s	o
Track frame, closed	•	
Sprocket segments, bolted	•	
Master link, two-piece	•	
Track shoes with mud hole		•
Track guide centre part		•
Tracks oil lubricated	•	
Track guard		•
Undercarriage, rigid	•	
Undercarriage with single bogie suspension (PR 754 – PR 764)		•
Undercarriage with double link bogie suspension (PR 764)		•
Track frames, oscillating	•	
Pivot shaft, separate	•	
Sprocket segments with recesses		•



Operator's cab

	s	o
Storage compartment	•	
Armrest 3D adjustable	•	
Ash tray	•	
Pressurized air filter	•	
Operator's seat, 6-way adjustable	•	
Operator's seat, air-suspended		•
Fire extinguisher		•
Dome light	•	
Coat hook	•	
Air conditioning	•	
FM radio		•
Radio installation kit		•
ROPS/FOPS	•	
Rear mirror, inside	•	
Safety glass, tinted	•	
Windshield, washer system with intermittent function	•	
Windshield wipers front, rear	•	
Sliding windows, left	•	
Sliding windows, right		•
Protective grids for windows		•
Extension, seat back		•
Sun visor	•	
Socket 12 V	•	
Warm water heating	•	



Electrical system

	s	o
Starter motor 5.4 kW (PR 724)	•	
Starter motor 7.8 kW (PR 734 – PR 764)	•	
Working lights, front, 4 units	•	
Working lights, rear, 2 units	•	
Batteries, cold start, 2 units	•	
Battery main switch, mechanical	•	
On-board system 24 V	•	
Alternator 80 A	•	
Back-up alarm		•
Beacon		•
Horn	•	
Start lock, electronic		•
Additional lights, rear		•
Additional lights, front, on lift cylinders, 2 units		•



Control and warning lights

	s	o
Control travel speed range (digital)	•	
Control engine coolant temperature (analogue)	•	
Control fuel level (analogue)	•	
Hour meter (analogue)	•	
Thermometer for hydraulic oil		•
Warning light battery charging	•	
Warning light diesel engine	•	
Warning light electronic travel control system	•	
Warning light travel drive seal, each side		•
Warning light parking brake	•	
Warning light hydraulic oil temperature	•	
Warning light fuel water separator	•	
Warning light fan control	•	
Warning light pump replenishing pressure	•	
Warning light float position blade	•	
Warning light oil return filter	•	
Warning light air filter	•	
Warning light heater Diesel engine	•	
Main warning light	•	



Hydraulic system

	s	o
Hydraulic control ripper		•
Hydraulic control winch		•
Variable flow pump, load sensing	•	
Oil filter with strainer in hydraulic tank	•	
Blade quick drop	•	
Control valve for 2 circuits	•	
Float position blade	•	
Hydraulic servo control	•	
Hydraulic tank oil level control		•



Attachments

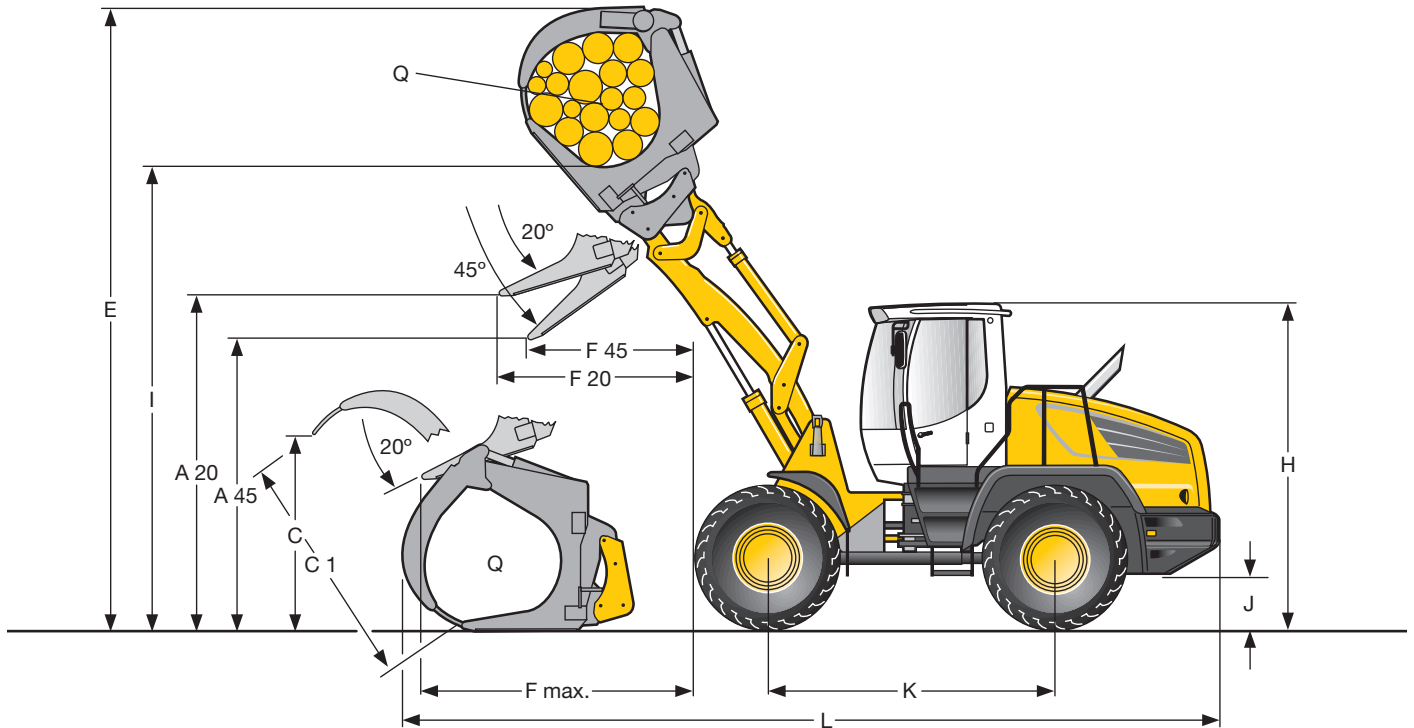
	s	o
Mounting plate for external tools		•
Drawbar rear, rigid		•
Counterweight, rear		•
Ripper		•
Woodchip blade		•
Winch		•

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.

L 524 ^{2plus1} - L 542 ^{2plus1}

Log Grapple



Log Grapple



L 524 ^{2plus1}

L 528 ^{2plus1}

L 538 ^{2plus1}

L 542 ^{2plus1}

			PK	PK	PK	PK	PK	PK
A20	Discharge height at 20°	mm	3,380	3,380	3,435	3,340	3,435	3,340
A45	Discharge height at 45°	mm	2,895	2,895	2,950	2,835	2,950	2,835
C	Max. grapple opening in loading position	mm	1,795	1,795	1,795	2,325	1,795	2,325
C1	Max. grapple opening	mm	2,075	2,075	2,075	2,580	2,075	2,580
E	Max height	mm	5,790	5,790	5,845	6,100	5,845	6,100
F20	Reach at max. lifting height at 20° discharge	mm	1,585	1,585	1,500	1,610	1,500	1,610
F45	Reach at max. lifting height at 45° discharge	mm	1,275	1,275	1,185	1,255	1,185	1,255
F max.	Max. outreach	mm	2,485	2,485	2,400	2,500	2,400	2,500
H	Height above cab	mm	3,200	3,200	3,250	3,250	3,250	3,250
I	Manipulation height	mm	4,240	4,240	4,295	4,375	4,295	4,375
J	Ground clearance	mm	460	460	490	490	490	490
K	Wheelbase	mm	2,750	2,850	2,975	2,975	2,975	2,975
L	Overall length	mm	7,760	7,760	7,980	8,110	7,980	8,110
	Width over tyres	mm	2,460	2,460	2,490	2,490	2,490	2,490
Q	Grapple diameter	m ²	1.3	1.3	1.3	1.8	1.3	1.8
	Grapple width	mm	1,600	1,600	1,600	1,600	1,600	1,600
	Payload*	kg	3,755	4,365	4,625	4,085	5,120	4,555
	Operating weight*	kg	11,915	12,285	13,235	13,635	13,775	14,175
	Tyre sizes		17.5R25 Michelin XHA	17.5R25 Michelin XHA	20.5R25 Michelin XHA	20.5R25 Michelin XHA	20.5R25 Michelin XHA	20.5R25 Michelin XHA

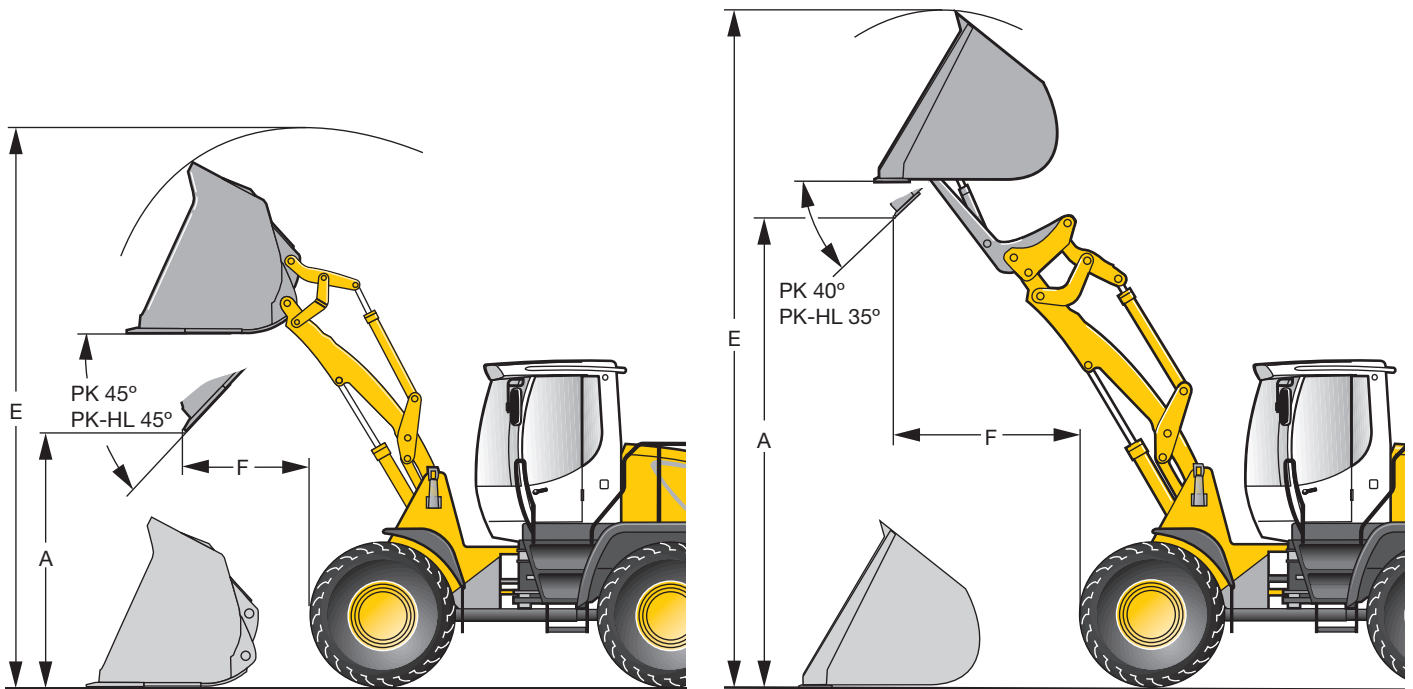
* The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load.

PK = Parallel linkage with hydraulic quick coupler

L 524 ^{2plus1} - L 542 ^{2plus1}

Light Material Bucket

High-Dump Bucket



Light Material Bucket with Bolt-On Cutting Edge

		L 524 ^{2plus1}		L 528 ^{2plus1}		L 538 ^{2plus1}		L 542 ^{2plus1}	
		STD	HL	STD	HL	STD	HL	STD	HL
Bucket capacity	m ³	5.5	4.0	6.0	4.5	6.5	5.0	7.0	5.5
Bucket width	mm	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750
Specific material weight	t/m ³	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
A Dumping height at max. lift height	mm	2,230	3,050	2,185	2,980	2,185	2,960	2,135	2,855
E Max. operating height	mm	5,670	5,950	5,450	6,050	5,925	6,140	5,980	6,250
F Reach at maximum lift height	mm	1,630	1,355	1,680	1,425	1,650	1,404	1,700	1,505
L Overall length	mm	7,830	8,165	8,000	8,365	8,250	8,635	8,320	8,780
Tipping load, straight*	kg	7,010	5,510	8,065	6,380	8,580	7,020	9,445	7,655
Tipping load, articulated at 40°*	kg	6,155	4,840	7,120	5,635	7,570	6,190	8,330	6,750
Operating weight*	kg	12,320	12,500	12,750	12,930	13,745	13,905	14,320	14,530
Tyre sizes		17.5R25 Michelin XHA		17.5R25 Michelin XHA		20.5R25 Michelin XHA		20.5R25 Michelin XHA	

High-Dump Bucket with Bolt-On Cutting Edge

		L 524 ^{2plus1}		L 528 ^{2plus1}		L 538 ^{2plus1}		L 542 ^{2plus1}	
		STD	HL	STD	HL	STD	HL	STD	HL
Bucket capacity	m ³	5.0	3.5	5.5	4.0	6.0	4.5	6.7	5.0
Bucket width	mm	2,700	2,500	2,700	2,700	2,700	2,700	2,950	2,700
Specific material weight	t/m ³	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
A Dumping height at max. lift height	mm	4,479	5,260	4,457	5,260	4,480	5,269	4,417	5,246
E Max. operating height	mm	6,500	6,915	6,630	6,975	6,755	7,085	6,820	7,160
F Reach at maximum lift height	mm	1,639	1,468	1,666	1,468	1,613	1,446	1,600	1,479
L Overall length	mm	7,739	8,257	7,874	8,357	8,094	8,612	8,194	8,652
Tipping load, straight*	kg	6,665	5,045	7,840	5,940	8,375	6,485	9,125	7,310
Tipping load, articulated at 40°*	kg	5,855	4,430	6,920	5,245	7,385	5,720	8,050	6,450
Operating weight*	kg	12,715	12,820	13,145	13,255	14,220	14,320	14,910	14,925
Tyre sizes		17.5R25 Michelin XHA		17.5R25 Michelin XHA		20.5R25 Michelin XHA		20.5R25 Michelin XHA	

* The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load.

STD = Parallel linkage

HL = Parallel linkage "High Lift"

L 524 2plus1 - L 542 2plus1

Equipment



Basic Machine

	524 2plus1	528 2plus1	538 2plus1	542 2plus1
Automatic central lubrication system	+	+	+	+
Battery master switch	•	•	•	•
Fuel particle filter	+	+	+	+
Electronical theft protection	•	•	•	•
Automatic travel mode	•	•	•	•
Headlights	•	•	•	•
Ride control	+	+	+	+
Fluff trap for radiator	+	+	+	+
Large-mesh radiator	•	•	•	•
Pre-heat system for cold starting	•	•	•	•
Combined inching-braking system	•	•	•	•
Fuel tank steel version	+	+	+	+
Multi-disc limited slip differentials in both axles	•	•	•	•
LiDAT Standard (Liebherr Data Transfer System)	+	+	+	+
Liebherr bio degradable hydraulic oil	•	•	•	•
Liebherr travel gear	•	•	•	•
Liebherr shock absorbing element	•	•	•	•
Air cleaner system with pre-filter	•	•	•	•
Reversible fan drive	+	+	+	+
Emergency steering system	•	•	•	•
Back-up alarm	•	•	•	•
Lockable doors, service flap and engine hood	•	•	•	•
Toolbox with toolkit	•	•	•	•
Towing hitch	•	•	•	•
Two working area lights at rear	+	+	+	+
Two tail lights	•	•	•	•
20 km/h speed limiting	+	+	+	+

Reverse travel	•	•	•	•
Speedometer	•	•	•	•
Clock	•	•	•	•
Diesel engine pre-heat	•	•	•	•
Forward travel	•	•	•	•



Warning Lights for:

	524 2plus1	528 2plus1	538 2plus1	542 2plus1
Battery charge	•	•	•	•
Flow through emergency steering system	•	•	•	•
Parking brake	•	•	•	•
Hydraulic oil temperature	•	•	•	•
Air cleaner blockage	•	•	•	•
Engine oil pressure	•	•	•	•
Engine overheat	•	•	•	•



Audible Warnings for:

	524 2plus1	528 2plus1	538 2plus1	542 2plus1
Overheat of hydraulic fluid	•	•	•	•
Engine oil pressure	•	•	•	•
Engine overheat	•	•	•	•
Emergency steering system	•	•	•	•



Operator's Cab

	524 2plus1	528 2plus1	538 2plus1	542 2plus1
Storage box	•	•	•	•
Lockable storage compartment	•	•	•	•
Ashtray	•	•	•	•
Operator's package	•	•	•	•
Operator's seat – adjustable in 6 ways	•	•	•	•
Operator's seat – air sprung with seat heating	+	+	+	+
Fire extinguisher 2 kg	+	+	+	+
Cup holder	•	•	•	•
Height-adjustable steering column	+	+	+	+
Horn	•	•	•	•
Joystick steering	•	•	•	•
Floor mat	•	•	•	•
Clothes hook	•	•	•	•
Air conditioning system	+	+	+	+
LED operating spotlight, front/rear	•	•	•	•
Liebherr-joystick control – adjustable	•	•	•	•
Radio set	+	+	+	+
Provision for radio including loudspeaker	+	+	+	+
Monitoring area to the rear with camera	•	•	•	•
Interior rear-view mirror	•	•	•	•
Amber beacon	+	+	+	+
Soundproof ROPS/FOPS cab with tinted safety glass front windscreen, heatable rear window	•	•	•	•
Wash/wipe system for windscreen and rear window	•	•	•	•
Sliding window	+	+	+	+
Protective ventilation system	•	•	•	•
Windscreen guard	•	•	•	•
Sun visor	•	•	•	•
Dust filter system	•	•	•	•
Plug 12 V	•	•	•	•
First aid kit	•	•	•	•
Adjustable steering column	•	•	•	•
Four working area lights at front	•	•	•	•
Hot water heater with defroster and recirculated-air system	•	•	•	•
Wide angle mirror	+	+	+	+
Xenon working lights front	•	•	•	•
Two or four working area lights rear	+	+	+	+



Function Keys for:

	524 2plus1	528 2plus1	538 2plus1	542 2plus1
Working lights rear	•	•	•	•
Working lights front	•	•	•	•
Electronic tractive force adaptation	•	•	•	•
Speed range selection	•	•	•	•
Headlights	•	•	•	•
Ride control	+	+	+	+
Parking brake	•	•	•	•
Fresh air or recirculated air	•	•	•	•
Blower	•	•	•	•
Heater	•	•	•	•
Hoist kick-out	+	+	+	+
Air conditioning	+	+	+	+
Creep speed	•	•	•	•
Mode switch	•	•	•	•
Amber beacon	•	•	•	•
Automatic bucket positioner	•	•	•	•
Wash/wipe system for rear window	•	•	•	•
Float position	•	•	•	•
Road travel	•	•	•	•
Hazard warning flashers	•	•	•	•
Additional hydraulics	•	•	•	•



Equipment

	524 2plus1	528 2plus1	538 2plus1	542 2plus1
Automatic hoist kick out – adjustable	+	+	+	+
Automatic bucket positioner – adjustable	•	•	•	•
Fork carrier and lift forks	+	+	+	+
High-dump bucket	•	•	•	•
Hydraulic quick-change device – Parallel linkage	•	•	•	•
Hydraulic quick-change device – Z-bar linkage	+	+	+	+
Hydraulic servo control of working hydraulics	•	•	•	•
Comfort control	+	+	+	+
Loading buckets with and without teeth, or bolt-on cutting edge	+	+	+	+
Country-specific versions	+	+	+	+
Light material bucket	•	•	•	•
Parallel linkage	•	•	•	•
Parallel linkage "High Lift"	+	+	+	+
Float position	•	•	•	•
Z-bar linkage	•	•	•	•
3rd hydraulic control circuit	+	+	+	+
3rd and 4th hydraulic control circuits	+	+	+	+



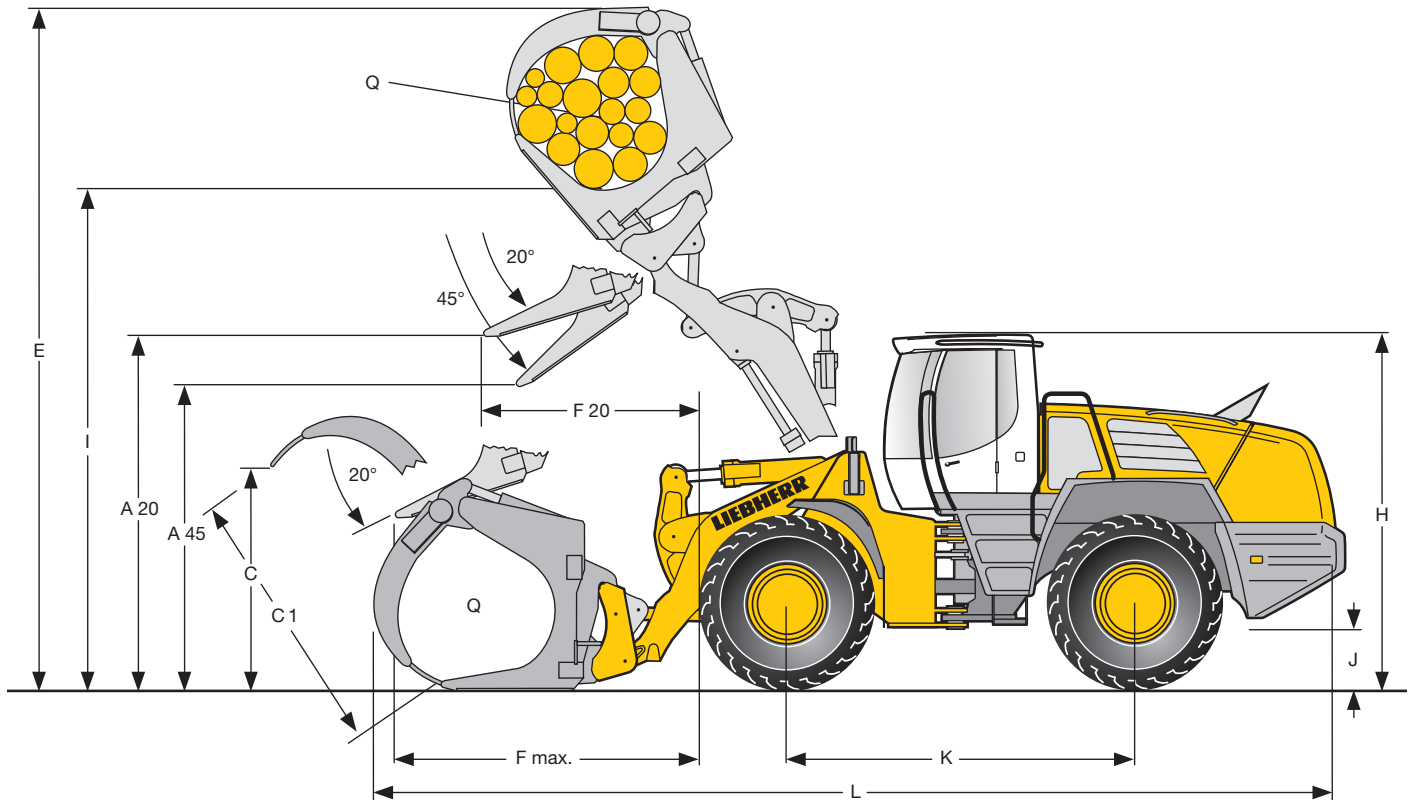
Instruments for:

	524 2plus1	528 2plus1	538 2plus1	542 2plus1
Timer for hours of operation	•	•	•	•
Flashing turn indicators	•	•	•	•
Diagnosis system	•	•	•	•
Forward – reverse travel	•	•	•	•
Travel speed ranges and gear selected	•	•	•	•
High-beam headlights	•	•	•	•
Fuel reserve	•	•	•	•
Engine oil temperature	•	•	•	•

• = Standard, + = Option

L 550 2plus2 - L 580 2plus2

Log Grapple



Log Grapple



L 550 2plus2 L 556 2plus2 L 566 2plus2 L 576 2plus2 L 580 2plus2

	Geometry		IND	IND	ZKK	ZKK	ZKK
A20	Discharge height at 20°	mm	3,590	3,570	3,400	3,400	3,630
A45	Discharge height at 45°	mm	3,020	2,950	2,700	2,700	2,880
C	Max. grapple opening in loading position	mm	2,350	2,690	3,000	3,000	3,370
C1	Max. grapple opening	mm	2,465	2,960	3,300	3,300	3,650
E	Max height	mm	6,320	6,480	7,500	7,500	7,800
F20	Reach at max. lifting height at 20° discharge	mm	1,740	1,890	2,340	2,340	2,230
F45	Reach at max. lifting height at 45° discharge	mm	1,410	1,530	1,770	1,770	1,660
F max.	Max. outreach	mm	2,670	2,820	3,260	3,260	3,340
H	Height above cab	mm	3,365	3,365	3,580	3,580	3,580
I	Manipulation height	mm	4,530	4,530	5,200	5,200	5,400
J	Ground clearance	mm	530	530	565	565	565
K	Wheelbase	mm	3,280	3,280	3,580	3,580	3,700
L	Overall length	mm	8,500	8,650	9,600	9,600	9,980
	Width over tyres	mm	2,660	2,660	2,930	2,930	2,930
Q	Grapple diameter	m ²	1.8	2.4	3.1	3.1	3.5
	Grapple width	mm	1,600	1,600	1,800	1,800	1,800
	Payload*	kg	6,300**	6,400**	8,200**	8,650**	9,200**
	Operating weight*	kg	18,890**	19,550**	25,980**	26,790**	27,850**
	Tyre sizes		23.5R25 Goodyear GP-4D	23.5R25 Goodyear GP-4D	26.5R25 Goodyear GP-4D	26.5R25 Goodyear GP-4D	26.5R25 Goodyear GP-4D

* The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load.

** Data with rear tyres filled with water

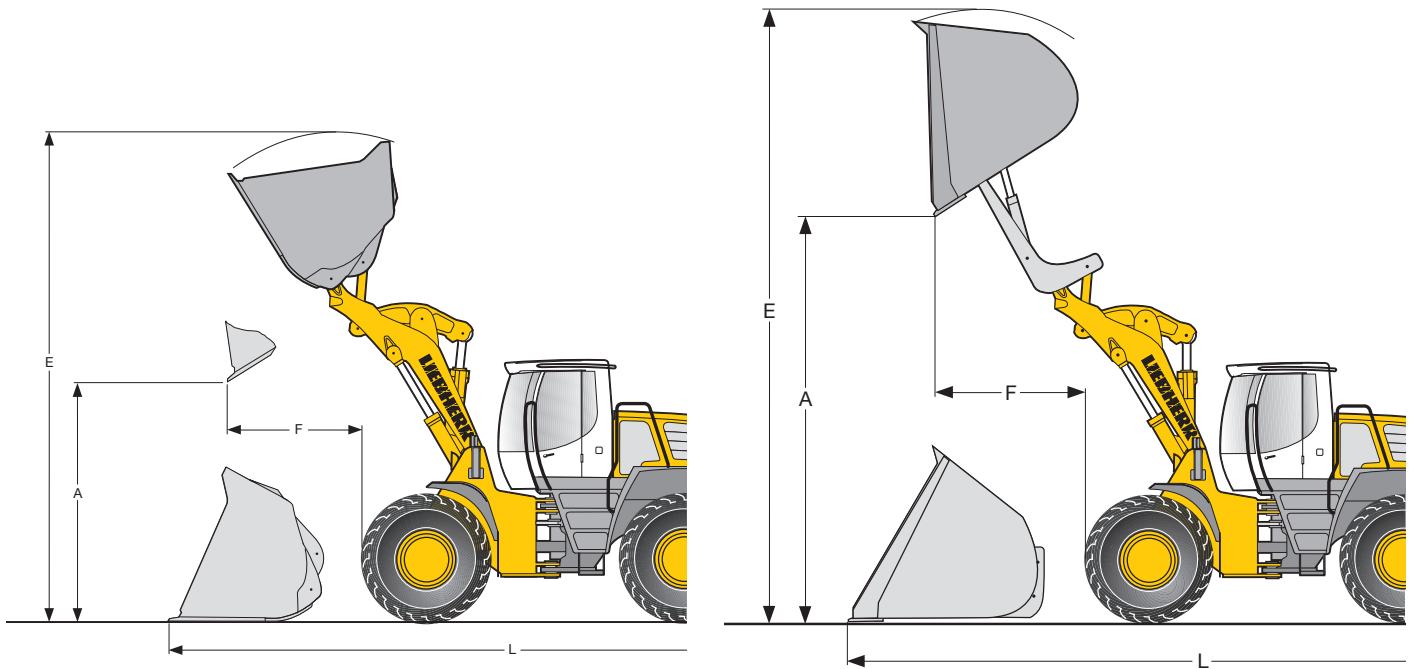
IND = Industrial lift arm with parallel guidance including hydraulic quick coupler (only available for L 550 2plus2 and L 556 2plus2)

ZKK = Z-bar linkage with tilt ram support and hydraulic quick coupler ("Holzknecht")

L 550 2plus2 - L 580 2plus2

Light Material Bucket

High-Dump Bucket



Light Material Bucket (Industrial lift arm)

with Bolt-On Cutting Edge

		L 550 2plus2	L 556 2plus2	L 566 2plus2	L 576 2plus2	L 580 2plus2
Geometry		IND	IND	ZKK	ZKK	ZKK
Bucket capacity	m ³	9.0	10.0	11.0	11.0	14.0
Bucket width	mm	3,400	3,400	3,700	3,700	4,000
Specific material weight	t/m ³	0.5	0.5	0.4	0.5	0.4
A Dumping height at max. lift height	mm	2,340	2,265	2,810	2,810	2,760
E Max. operating height	mm	6,110	6,250	6,820	6,820	7,170
F Reach at maximum lift height	mm	1,705	1,780	2,200	2,200	2,260
L Overall length	mm	8,925	9,035	9,700	9,700	10,030
Tipping load, straight*	kg	10,860	11,870	12,695	13,410	13,720
Tipping load, articulated at 40°*	kg	9,580	10,475	11,160	11,790	12,110
Operating weight*	kg	18,290	19,160	25,280	26,120	27,260
Tyre sizes		23.5R25 Goodyear GP-4D	23.5R25 Goodyear GP-4D	26.5R25 Goodyear GP-4D	26.5R25 Goodyear GP-4D	26.5R25 Goodyear GP-4D

High-Dump Bucket (Industrial lift arm)

with Bolt-On Cutting Edge

		L 550 2plus2	L 556 2plus2	L 566 2plus2	L 576 2plus2	L 580 2plus2
Geometry		IND	IND	ZKK	ZKK	ZKK
Bucket capacity	m ³	8.0	9.5	11.0	11.0	13.0
Bucket width	mm	3,400	3,400	3,700	3,700	4,000
Specific material weight	t/m ³	0.5	0.5	0.4	0.5	0.4
A Dumping height at max. lift height	mm	4,880	4,805	4,550	4,550	4,780
E Max. operating height	mm	7,130	7,280	8,280	8,280	8,590
F Reach at maximum lift height	mm	1,970	2,045	2,060	2,060	2,080
L Overall length	mm	9,100	9,250	9,630	9,630	9,960
Tipping load, straight*	kg	9,910	10,960	11,540	12,340	12,830
Tipping load, articulated at 40°*	kg	8,740	9,670	10,140	10,850	11,330
Operating weight*	kg	18,390	19,260	25,580	26,520	27,780
Tyre sizes		23.5R25 Goodyear GP-4D	23.5R25 Goodyear GP-4D	26.5R25 Goodyear GP-4D	26.5R25 Goodyear GP-4D	26.5R25 Goodyear GP-4D

* The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and tipping load.

IND = Industrial lift arm with parallel guidance including hydraulic quick coupler (only available for L 550 2plus2 and L 556 2plus2)

ZKK = Z-bar linkage with tilt ram support and hydraulic quick coupler ("Holzknecht")

L 550 2plus2 - L 580 2plus2

Equipment



Basic Machine

	550 2plus2	556 2plus2	566 2plus2	576 2plus2	580 2plus2
Exhaust pipe – stainless steel	+	+	+	+	+
Automatic central lubrication system	+	+	+	+	+
Battery master switch	•	•	•	•	•
Fuel particle filter	+	+	+	+	+
Electronic crowding force control	•	•	•	•	•
Electronical theft protection with/without driver identification	+	+	+	+	+
Automatic travel mode	•	•	•	•	•
Headlights	•	•	•	•	•
Ride control	•	•	•	•	•
Fluff trap for radiator	+	+	+	+	+
Large-mesh radiator	+	+	+	+	+
Pre-heat system for cold starting	•	•	•	•	•
Creep speed/Cruise control	•	•	•	•	•
Combined inching-braking system	•	•	•	•	•
Multi-disc limited slip differentials in both axles	•	•	•	•	•
Noise suppression package "101"	+	+	+	+	+
LiDAT Standard (Liebherr Data Transfer System)	+	+	+	+	+
LiDAT Plus (extended Liebherr Data Transfer System)	+	+	+	+	+
Liebherr-2plus2-travel gear	•	•	•	•	•
Liebherr bio degradable hydraulic oil	+	+	+	+	+
Air cleaner system with pre-filter	•	•	•	•	•
Reversible fan drive	+	+	+	+	+
Emergency steering system	•	•	•	•	•
Back-up alarm	+	+	+	+	+
Road ballast	-	-	-	-	-
Lockable doors, service flap and engine hood	•	•	•	•	•
Rubber widening for rear (in steel) and front mudguards	-	-	-	-	-
Toolbox with toolkit	•	•	•	•	•
Weighing device (integrated)	+	+	+	+	+
Towing hitch	•	•	•	•	•
Two working area lights at rear	•	•	•	•	•
Two tail lights	•	•	•	•	•
20 km/h speed limiting	+	+	+	+	+



Operator's Cab

	550 2plus2	556 2plus2	566 2plus2	576 2plus2	580 2plus2
Storage box	•	•	•	•	•
Lockable storage compartment	•	•	•	•	•
Ashtray	•	•	•	•	•
Operator's package	•	•	•	•	•
Operator's seat – adjustable in 6 ways	•	•	•	•	•
Operator's seat with active suspension, with seat climate control and seat heating	-	-	+	+	+
Operator's seat – air sprung with seat heating	+	+	+	+	+
Fire extinguisher 2 kg	•	•	•	•	•
Cup holder	•	•	•	•	•
Height-adjustable steering column	+	+	+	+	+
Horn	•	•	•	•	•
Joystick steering	+	+	+	+	+
Floor mat	•	•	•	•	•
Clothes hook	•	•	•	•	•
Air conditioning system	•	•	•	•	•
Storage box with cooling function	+	+	+	+	+
LED operating spotlight, front/rear	•	•	•	•	•
Liebherr joystick control – adjustable	•	•	•	•	•
Radio set	+	+	+	+	+
Provision for radio including loudspeaker	+	+	+	+	+
Rear view monitoring with camera	•	•	•	•	•
Interior rear-view mirror	•	•	•	•	•
Amber beacon	+	+	+	+	+
Soundproof ROPS/FOPS cab with tinted safety glass front windscreen, heatable rear window	•	•	•	•	•
Wash/wipe system for windscreen and rear window	•	•	•	•	•
Sliding window	+	+	+	+	+
Protective ventilation system	+	+	+	+	+
Windscreen guard	+	+	+	+	+
Sun visor	•	•	•	•	•
Dust filter system	+	+	+	+	+
Plug 12 V	•	•	•	•	•
First aid kit	+	+	+	+	+
Adjustable steering column	•	•	•	•	•
Four working area lights at front	•	•	•	•	•
Hot water heater with defroster and recirculated-air system	•	•	•	•	•
Wide angle mirror	+	+	+	+	+
Xenon working lights front	+	+	+	+	+
Two or four working area lights rear	+	+	+	+	+
2in1 steering system – changeable	+	+	+	+	+



Instruments for:

	550 2plus2	556 2plus2	566 2plus2	576 2plus2	580 2plus2
Timer for hours of operation	•	•	•	•	•
Flashing turn indicators	•	•	•	•	•
Diagnosis system	•	•	•	•	•

Rev. counter	•	•	•	•	•
Forward – reverse travel	•	•	•	•	•
Travel speed ranges and gear selected	•	•	•	•	•
High-beam headlights	•	•	•	•	•
Fuel reserve	•	•	•	•	•
Engine oil temperature	•	•	•	•	•
Reverse travel	•	•	•	•	•
Speedometer	•	•	•	•	•
Clock	•	•	•	•	•
Diesel engine pre-heat	•	•	•	•	•
Forward travel	•	•	•	•	•



Warning Lights for:

	550 2plus2	556 2plus2	566 2plus2	576 2plus2	580 2plus2
Battery charge	•	•	•	•	•
Flow through emergency steering system	•	•	•	•	•
Parking brake	•	•	•	•	•
Hydraulic oil temperature	•	•	•	•	•
Air cleaner blockage	•	•	•	•	•
Engine oil pressure	•	•	•	•	•
Engine overheat	•	•	•	•	•



Audible Warnings for:

	550 2plus2	556 2plus2	566 2plus2	576 2plus2	580 2plus2
Overheat of hydraulic fluid	•	•	•	•	•
Engine oil pressure	•	•	•	•	•
Engine overheat	•	•	•	•	•
Emergency steering system	•	•	•	•	•



Function Keys for:

	550 2plus2	556 2plus2	566 2plus2	576 2plus2	580 2plus2
Working lights rear	•	•	•	•	•
Working lights front	•	•	•	•	•
Electronic tractive force adaptation	•	•	•	•	•
Speed range selection	•	•	•	•	•
Headlights	•	•	•	•	•
Ride control	•	•	•	•	•
Parking brake	•	•	•	•	•
Blower	•	•	•	•	•
Heater	•	•	•	•	•
Hoist kick-out	+	+	+	+	+
Air conditioning	•	•	•	•	•
Creep speed	•	•	•	•	•
Mode switch	•	•	•	•	•
Amber beacon	•	•	•	•	•
Automatic bucket positioner	•	•	•	•	•
Wash/wipe system for rear window	•	•	•	•	•
Float position	•	•	•	•	•
Road travel	•	•	•	•	•
Hazard warning flashers	•	•	•	•	•
Additional hydraulics	•	•	•	•	•



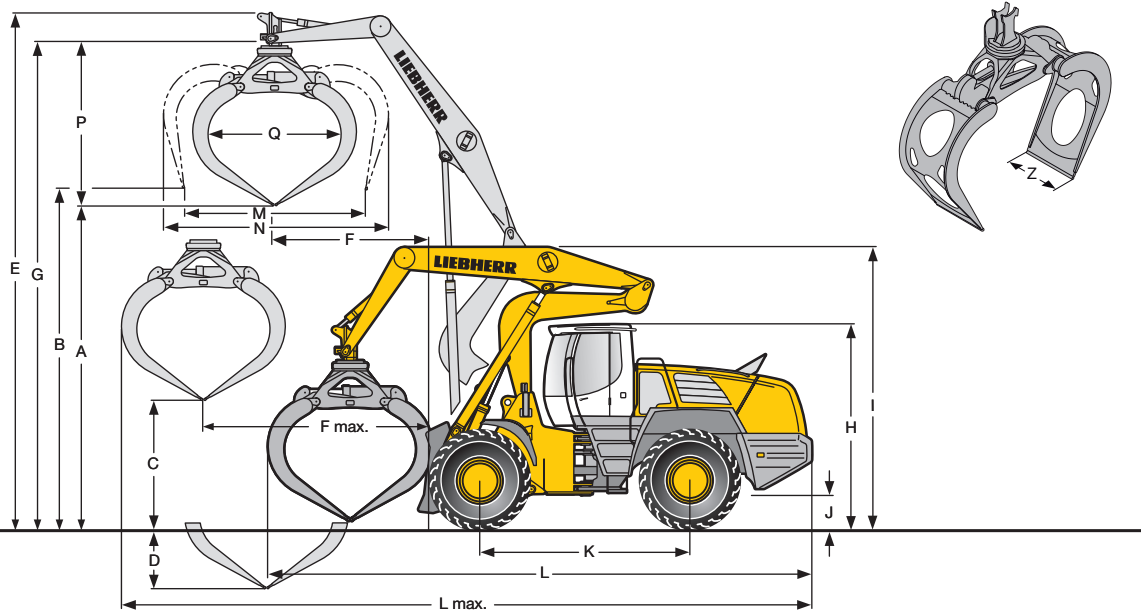
Equipment

	550 2plus2	556 2plus2	566 2plus2	576 2plus2	580 2plus2
Automatic hoist kick out – adjustable	+	+	+	+	+
Automatic bucket positioner – adjustable	•	•	•	•	•
Fork carrier and lift forks	+	+	+	+	+
High-dump bucket	+	+	+	+	+
Hydraulic quick-change device	•	•	•	•	•
Hydraulic servo control of working hydraulics	•	•	•	•	•
Industrial lift arm	+	+	+	+	+
Comfort control	+	+	+	+	+
Loading buckets with and without teeth, or bolt-on cutting edge	+	+	+	+	+
Country-specific versions	+	+	+	+	+
Light material bucket	+	+	+	+	+
Float position	•	•	•	•	•
Z-bar linkage "High Lift"	•	•	•	•	•
Z-bar linkage	•	•	•	•	•
3rd hydraulic control circuit	+	+	+	+	+
3rd and 4th hydraulic control circuits	+	+	+	+	+

• = Standard, + = Option, - = not available

L 580 ^{2plus2} LogHandler

Dimensions



Rotating Grapple, 360°

			3.2 m ²	3.6 m ²	3.2 m ²	3.2 m ²	3.6 m ²
A	Max. manipulation height with grapple closed	mm	5,834	5,670	5,600	5,670	5,565
B	Max. manipulation height with grapple open	mm	6,300	6,190	6,250	6,250	6,185
C	Manipulation height at max. outreach	mm	2,334	2,170	2,100	2,170	2,065
D	Lower manipulation area	mm	899	1,063	1,133	1,063	1,168
E	Max. height	mm	9,120	9,120	9,120	9,120	9,120
F	Outreach at max. lift height	mm	2,675	2,675	2,675	2,675	2,675
F max.	Max. outreach	mm	3,970	3,970	3,970	3,970	3,970
G	Height of grapple link	mm	8,650	8,650	8,650	8,650	8,650
H	Height above cab	mm	3,590	3,590	3,590	3,590	3,590
I	Height with grapple positioned longitudinally	mm	5,050	5,050	5,050	5,050	5,050
	Height when max. outreach is attained	mm	6,730	6,730	6,730	6,730	6,730
J	Ground clearance	mm	580	580	580	580	580
K	Wheelbase	mm	3,700	3,700	3,700	3,700	3,700
L	Overall length	mm	10,168	10,243	10,073	10,073	10,203
L max.	Max. Total length at max. outreach	mm	12,520	12,595	12,425	12,425	12,555
	Width over tyres	mm	3,170	3,170	3,170	3,170	3,170
M	Grapple opening	mm	3,800	3,990	4,415	4,335	4,415
N	Max. span with grapple open	mm	4,300	4,530	4,495	4,415	4,495
P	Height from top to top	mm	2,816	2,980	3,050	2,980	3,085
Q	Grapple cross-section	mm	2,530	2,660	2,310	2,335	2,515
	Grapple weight	kg	2,600	2,700	2,960	2,550	2,750
Z	Jaw width	mm	1,000	1,000	1,000	1,000	1,000
	Turning circle over lifting equipment with grapple positioned longitudinally	mm	6,885	6,930	6,835	6,830	6,900
	Turning circle over external edge of tyres	mm	6,725	6,725	6,725	6,725	6,725
	Turning circle over inner edge of tyres	mm	3,500	3,500	3,500	3,500	3,500
	Max. payload with 40° angle of articulation *	kg	8,590**	8,510**	8,310**	8,630**	8,470**
	Max. payload with 37° angle of articulation *	kg	8,750**	8,670**	8,470**	8,790**	8,630**
	Operating weight *	kg	33,500**	33,600**	33,860**	33,450**	33,650**
	Tyre sizes		775/65R29	775/65R29	775/65R29	775/65R29	775/65R29
			Goodyear GP-4D	Goodyear GP-4D	Goodyear GP-4D	Goodyear GP-4D	Goodyear GP-4D

* The figures shown here are valid with tyres above, includes all lubricants, a full fuel tank, the ROPS/FOPS cab and the operator. Different tyres and optional equipment will change the operating weight and payload. The stump pusher increases the operating weight at 860 kg.

** Data with rear tyres filled with water



round grab with chain as stump holder; jaws engage into one another



heart-shaped grab with hydraulic individual stump holder; closes tip on tip



heart-shaped grab with chain as stump holder; closes tip on tip

L 580 ^{2plus2} LogHandler

Equipment



Basic Machine

Exhaust pipe – stainless steel	+
Automatic central lubrication system	•
Battery master switch	•
Fuel particle filter	+
Electronic crowding force control	•
Electronical theft protection with/without driver identification	+
Automatic travel mode	•
Headlights	•
Ride control	•
Fluff trap for radiator	+
Large-mesh radiator	+
Pre-heat system for cold starting	•
Creep speed/Cruise control	•
Combined inching-braking system	•
Multi-disc limited slip differentials in both axles	•
Noise suppression package "101"	+
LiDAT Standard (Liebherr Data Transfer System)	+
LiDAT Plus (extended Liebherr Data Transfer System)	+
Liebherr-2plus2-travel gear	•
Liebherr bio degradable hydraulic oil	+
Air cleaner system with pre-filter	•
Reversible fan drive	+
Emergency steering system	•
Back-up alarm	+
Lockable doors, service flap and engine hood	•
Toolbox with toolkit	•
Weighing device (integrated)	+
Towing hitch	•
Two working area lights at rear	•
Two tail lights	•
20 km/h speed limiting	+



Operator's Cab

Storage box	•
Lockable storage compartment	•
Ashtray	•
Roof window with protective grille and washing system	•
Operator's package	•
Operator's seat – adjustable in 6 ways	•
Operator's seat with active suspension, with seat climate control and seat heating	+
Operator's seat – air sprung with seat heating	+
Fire extinguisher 2 kg	+
Cup holder	•
Five working area lights at front	•
Height-adjustable steering column	+
Horn	•
Joystick steering	+
Floor mat	•
Clothes hook	•
Air conditioning system	•
Storage box with cooling function	+
LED operating spotlight, front/rear	+
Liebherr joystick control – adjustable	•
Radio set	+
Provision for radio including loudspeaker	+
Rear view monitoring with camera	+
Interior rear-view mirror	•
Amber beacon	+
Soundproof ROPS/FOPS cab with tinted safety glass front windscreen, heatable rear window	•
Wash/wipe system for windscreen and rear window	•
Sliding window	+
Protective ventilation system	+
Sun visor	•
Dust filter system	+
Plug 12 V	•
First aid kit	+
Adjustable steering column	•
Hot water heater with defroster and recirculated-air system	•
Wide angle mirror	+
Xenon working lights front	+
Two or four working area lights rear	+



Instruments for:

Timer for hours of operation	•
Flashing turn indicators	•
Diagnosis system	•
Rev. counter	•
Forward – reverse travel	•
Travel speed ranges and gear selected	•
High-beam headlights	•
Fuel reserve	•
Engine oil temperature	•
Reverse travel	•
Speedometer	•
Clock	•
Diesel engine pre-heat	•
Forward travel	•



Warning Lights for:

Battery charge	•
Flow through emergency steering system	•
Parking brake	•
Hydraulic oil temperature	•
Air cleaner blockage	•
Engine oil pressure	•
Engine overheat	•



Audible Warnings for:

Overheat of hydraulic fluid	•
Engine oil pressure	•
Engine overheat	•
Emergency steering system	•



Function Keys for:

Working lights rear	•
Working lights front	•
Electronic tractive force adaptation	•
Speed range selection	•
Headlights	•
Ride control	•
Parking brake	•
Blower	•
Heater	•
Air conditioning	•
Creep speed	•
Steering column switch for direction of travel	•
Mode switch	•
Amber beacon	•
Wash/wipe system for rear window	•
Road travel	•
Transport position (at operating lever)	•
Hazard warning flashers	•
Additional hydraulics	•



Equipment

Rotating Grapple, 360°	•
Hydraulic servo control of working hydraulics	•
LogHandler lifting gear with protective grille for front windscreen	•
Stump ram	+

580 03.10

• = Standard, + = Option, - = not available

The Liebherr Wheel Loaders

Stereoloader



		L 506 ^{Stereo}	L 507 ^{Stereo}	L 508 ^{Stereo}	L 509 ^{Stereo}	L 510 ^{Stereo}	L 514 ^{Stereo}
Tipping load	kg	3,231	3,501	3,824	4,225	4,581	5,680
Bucket capacity	m ³	0.8	0.9	1.0	1.1	1.2	1.5
Operating weight	kg	5,120	5,240	5,480	6,080	6,250	8,350
Engine output	kW/HP	46/63	48/65	48/65	60/82	60/82	72/98

Wheel Loader



		L 524 ^{2plus1}	L 528 ^{2plus1}	L 538 ^{2plus1}	L 542 ^{2plus1}	L 550 ^{2plus2}
Tipping load	kg	7,300	8,100	9,020	9,760	11,650
Bucket capacity	m ³	2.0	2.2	2.5	2.7	3.2
Operating weight	kg	10,600	11,100	12,755	13,320	16,525
Engine output	kW/HP	86/117	86/117	105/143	105/143	130/177

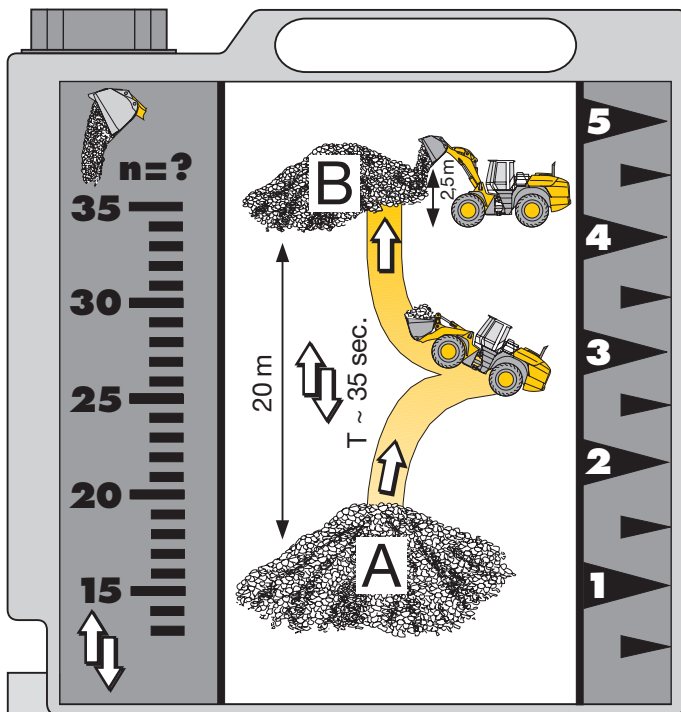
Wheel Loader



		L 556 ^{2plus2}	L 566 ^{2plus2}	L 576 ^{2plus2}	L 580 ^{2plus2}	L 586 ^{2plus2}
Tipping load	kg	13,140	15,550	17,200	18,000	20,430
Bucket capacity	m ³	3.6	4.0	4.5	5.0	5.5
Operating weight	kg	17,270	22,500	24,260	24,580	31,380
Engine output	kW/HP	140/191	190/259	200/272	200/272	250/340

10.08

Environmental protection can help you earn money!



The Liebherr Standard Consumption Test - easy to reproduce and practical.

Every Liebherr dealer will provide you with this measuring-tank kit free of charge or, on request, will carry out the standard fuel consumption test on your premises. It's so easy: you simply determine the number of loading cycles that can be carried out with 5 litres of diesel. The material is taken from pile A and carried over a distance of 20 metres to point B. The time needed for each working cycle should be 35 seconds. Discharge at point B should take place from a height of 2.5 m. The working cycles continue until the 5 litres of diesel in the external measuring tank have been used up. The loader's fuel consumption per operating hour is calculated as follows:

$$\frac{400}{\text{Number of loading cycles}} = \text{consumption per hour}$$

Values for the Liebherr Wheel Loaders

	Numbers of working cycles	Litres/100 tons	Litres/hour
L 524 2plus1: 2.0 m ³	n = 44	3.2	9.1
L 528 2plus1: 2.2 m ³	n = 43	2.9	9.3
L 538 2plus1: 2.5 m ³	n = 36	2.9	11.1
L 542 2plus1: 2.7 m ³	n = 35	2.7	11.4
L 550 2plus2: 3.2 m ³	n = 31	2.6	12.9
L 556 2plus2: 3.6 m ³	n = 27	2.9	14.5
L 566 2plus2: 4.0 m ³	n = 22	2.9	18.2
L 576 2plus2: 4.5 m ³	n = 21	2.9	19.1
L 580 2plus2: 5.0 m ³	n = 20	2.8	20.0

Liebherr-Hydraulikbagger GmbH
 Liebherrstraße 12, D-88457 Kirchdorf/Iller
 ☎ +49 7354 80-0, Fax +49 7354 80-7294
 www.liebherr.com
 E-Mail: info.lhb@liebherr.com

Liebherr-Werk Telfs GmbH
 Hans Liebherr-Straße 35, A-6410 Telfs
 ☎ +43 50809 6-100, Fax +43 50809 6-7772
 www.liebherr.com
 E-Mail: lwt.marketing@liebherr.com

Liebherr-Werk Bischofshofen GmbH
 Postfach 49, A-5500 Bischofshofen
 ☎ +43 50809 1-0, Fax +43 50809 11385
 www.liebherr.com
 E-Mail: info.lbh@liebherr.com