

# Crawler Tractors

**PR 734**  
Litronic®

**PR 744**  
Litronic®

Engine Output: 150 kW / 204 HP  
Operating Weight: 20,388 - 24,961 kg  
44,948 - 55,030 lb

185 kW / 252 HP  
24,605 - 31,669 kg  
54,245 - 69,818 lb



# LIEBHERR



## PR 734

Litronic®

Engine output: 150 kW / 204 HP  
Operating weight: 20,388 - 24,961 kg  
44,948 - 55,030 lb  
Blade capacity: 3.80 - 5.56 m<sup>3</sup>  
4.97 - 7.27 yd<sup>3</sup>

Hydrostatic travel drive with  
electronic control

## PR 744

Litronic®

Engine output: 185 kW / 252 HP  
Operating weight: 24,605 - 31,669 kg  
54,245 - 69,818 lb  
Blade capacity: 4.90 - 7.20 m<sup>3</sup>  
6.41 - 9.42 yd<sup>3</sup>

Hydrostatic travel drive with  
electronic control





## Performance

Sheer strength and innovative technology – these are the hallmarks of the generation 4 of Liebherr crawler tractors. The impressive balance between operating weight and engine output assures maximum productivity under all conditions. Whether during ripping, dozing or grading, the PR 734 and the PR 744 excel in any application with outstanding performance.

## Economy

Clear economic benefits speak for Liebherr. Like all Liebherr machines, the PR 734 and the PR 744 boast an exemplary service concept. This reduces both down times and maintenance costs. Our latest-generation diesel engines combine high performance and fuel economy – guaranteeing exceptional pushing power with low fuel consumption with the efficient drive system.

## Reliability

Strong and robust: In terms of their construction and quality of materials, Liebherr crawler tractors are consistently designed with longevity in mind. Parts that are subjected to considerable stress are produced from high-strength material; critical components are optimally protected. All this makes Liebherr crawler tractors the benchmark for reliability and availability.

## Comfort

Generation 4 crawler tractors offer a spacious and comfortable workplace designed according to state-of-the-art ergonomic standards, giving the operator an excellent view of the work area and the blade. The intuitive single-joystick enables sensitive and reliable control of the machine.







#### Liebherr diesel engine

- State-of-the-art technology: Pump-line-nozzle injection system, 4-valve technology, turbocharger with charge-air inter-cooling and electronic engine management ensure power reserves in every situation.
- Environmentally-friendly and economical: Complies with the latest exhaust emissions standards 2004/26/EC Stage IIIa (EU) and EPA/CARB Tier 3 (US).
- Extra-deep oil sump permits travel on gradients up to 45°.





# Performance

Liebherr has over 30 years of experience in the manufacture of hydrostatically driven tractors. The high-performance Generation 4 crawler tractors are the perfect machines for a wide variety of applications.

## High productivity

### Non-positive drive with high drawbar pull

The powerful Liebherr diesel engine in combination with the innovative Liebherr travel drive guarantees ample power in all situations. The drive system does not require any gearshifting, which means that engine power is transferred to the tracks without interruption – even when cornering.

### High dozing and ripping power

The hydrostatic travel drive enables the operator to define the optimal travel speed and drawbar pull with ease - preventing the tracks from slipping and ensuring that maximum power is transmitted to the ground at all times.

### Optimised blade design for improved rolling of the material

The blade contours of the PR 734 and PR 744 machines have been further optimised. Improved rolling of the material enables the machine to achieve even higher productivity.

### Best levelling characteristics

The entire front-end superstructure of the machine is torsionally rigid and robust. In conjunction with the long track frames, this ensures smooth operation of the blade at all times.

## A diversity of applications

### Outstanding manoeuvrability

The hydrostatic drive has a further advantage when working in confined spaces. All travel movements can be performed quickly and without difficulty, including counter-rotation.

### Low machine centre of gravity

The layout of the drive components results in an extremely low machine centre of gravity, which permits safe operation during even the most challenging applications on slopes and embankments.

### Liebherr hydrostatic drive

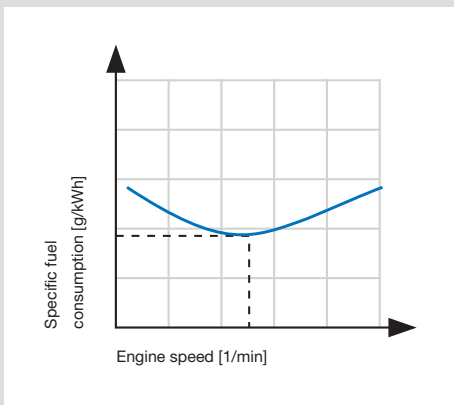
- Automatic speed and torque adjustment constantly optimises the machine's power flow in the event of load changes.
- Even at low speeds, for example in demanding ripping operations, the thermal load of the hydrostatic travel drive remains low. The high efficiency of the drive remains almost unchanged.



### Optimised blade design

- The blades are defined by uncompromising penetration characteristics and outstanding rolling of the material. The sloping top corners of the blade furthermore allow the operator to quickly ascertain blade filling.
- Robustly-built using wear-resistant materials, Liebherr blades excel under even the most demanding conditions.





#### Consistent engine speed for low fuel consumption

- The rated engine speed lies in the range of lowest specific fuel consumption, thereby ensuring maximum operating efficiency.



# Economy

Liebherr crawler tractors are consistently designed with cost-effectiveness in mind, resulting in low fuel consumption, high productivity, long component service lifetimes and low maintenance costs.

## Low fuel consumption

**Constant engine speed** The Liebherr diesel engine operates at a consistent speed at all times, regardless of the given travel speed. The engine is not throttled and re-accelerated, thereby guaranteeing economical fuel consumption.

**Low engine speed** The low engine speed results in significantly enhanced filling of the cylinder chambers and, as a consequence, more efficient fuel combustion.

**Efficient drive system** The hydrostatic travel drive offers excellent efficiency across the entire speed range. The oil temperature remains low even when high power output is required at low travel speeds (ripping work).

**Load-sensing power hydraulics** This system only uses the energy that is actually required by the operating equipment. This saves fuel if the equipment is not being used.

## Low maintenance costs

**Long maintenance intervals** The maintenance intervals are optimally geared to the individual components. For example: maintenance-free bearings are used on exposed dozing frame.

**Excellent accessibility** All service points of the diesel engine are accessible from one side of the machine, while the tilting cab enables access to the components inside the machine. These measures allow servicing tasks to be carried out quickly and efficiently.



### Tilting cab

- Enables straightforward, rapid access to all components of the travel drive and power hydraulics.

### Easy maintenance

- All service points are located on one side of the machine, saving time and energy during daily inspection tasks.



### Liebherr PR 734 quick-coupler system

- Transportation width of less than 3 metres: The hydraulic quick-coupler system enables the machine to be transported easily and quickly.
- Short set-up time and straightforward operation: The time required for mounting and dismantling the blade is reduced from several hours to just a few minutes and this task can be performed by one person.





#### Key technologies from Liebherr

- Liebherr has decades of experience in the development, engineering and production of components.
- Major key components such as diesel engines, transfer gear boxes, hydraulic cylinders and final drives are Liebherr-built and represent the highest quality.





# Reliability

Due to their high quality and excellent engineering, these machines offer maximum availability. Components developed by Liebherr specifically for use in construction machinery guarantee operational reliability in even the toughest conditions.

## Liebherr drive train

### Durable engine

Liebherr diesel engines were developed for the most demanding conditions of use. Their low rated speed ensures high operational reliability and a long lifetime.

### Fewer components

The proven hydrostatic travel drive means that mechanical components such as a torque converter, manual gearbox and differential steering or clutches are not required. Standardised hydraulic pumps and motors are non-wearing and dependable in operation.

### Robust final drive

The large Series 4 final drive is extremely robust and is engineered to endure with the highest loads. A double gearbox seal with automatic seal monitoring offers dependable protection.

## Robust steel structure

### Modular-design main frame

The main frame is of the proven modular design, resulting in high torsional rigidity and optimal absorption of the forces to which it is exposed. Components subjected to particularly heavy loads are made of cast steel.

## Solutions for a long lifetime

### Innovative cooling system

The electronically controlled suction-type fan controls the operating temperature reliably and regardless of the engine speed. Extra-large radiator fins ensure good self-cleaning.

### Optimally protected wiring harness

High-quality material for the protection of the wiring harness and a well-designed layout ensure the functional reliability of the machine.



### Components in life cycle tests

- FE analysis is used during the development phase to design the components, thereby ensuring that they are optimally configured to withstand heavy-duty use.
- The components are then subjected to intensive long-term tests. Only parts that meet the high quality standard are used in the machines.



### State-of-the-art cooling system

- The hydrostatically driven fan matches the cooling performance to the cooling requirement, meaning that the engine reaches an optimal operating temperature more quickly.
- Air is taken in from dirt-protected zones, thereby minimising contamination caused by dust particles.
- Optional: Reversible fan for the quick cleaning of the radiator in particularly dusty conditions.





#### Intuitive single-joystick control

- Precision control ranges: The travel speed ranges can be pre-selected and programmed individually using switches.  
Pre-sets:  
Setting 1: 0 - 4 km/h / 0 - 2.5 mph  
Setting 2: 0 - 6.5 km/h / 0 - 4.0 mph  
Setting 3: 0 - 11 km/h / 0 - 6.8 mph
- Memory function:  
All programmed settings are retained if the machine is restarted.



#### Inching/brake pedal

- In addition to the single-joystick control, the operator can use the foot pedal to control the speed of the machine and, if necessary, apply the brakes.
- 1 Inching function  
2 Brake function



# Comfort

The redesigned workplace offers the operator a remarkable degree of comfort. Spacious, quiet and designed with ergonomics in mind, Liebherr comfort cabs offer the ideal conditions for fatigue-free, concentrated work. Excellent visibility facilitates safe and precise operation.

## A top-class cab

### Ergonomics

The ergonomically-designed operator's workplace offers the ideal environment for relaxed, productive work. All instruments and operating controls are laid out comprehensibly and within easy reach.

### Low sound values

The sound level in a Liebherr cab is far below the legal requirements. The PR 734 and the PR 744 boast exemplary noise values thanks to effective cab sound-proofing and state-of-the-art, quiet diesel engines.

### Outstanding visibility

The integrated ROPS/FOPS protection structure and large-area glazing afford the operator optimum outward visibility.

## Straightforward and precise control

### Single-joystick control

All travel movements can be controlled easily and precisely with only one joystick – including the “counter-rotation” function.

### Continuously variable control

Speed selection is continuously variable without gearshifting and therefore without interrupting drawbar pull.

### Safety in every situation

The crawler tractor is driven with positive power transmission at all times, even on gradients. The self-locking action of the system (hydrostatic drive) allows the operator to control braking simply by reducing joystick movement.

The machine is equipped with an automatic parking brake that is activated when the machine is stationary.



### Instrument panel

- The instrument panel is ideally positioned in the operator's field of vision.
- Automatic monitoring, display and warnings in the event of abnormal operating conditions.



### Well-designed details

- A generous storage space including a 12V socket for operating a cooler is standard.
- The flexible, multi-way adjustable seat with 3-way adjustable armrests provides a comfortable workplace.
- Further details such as a sliding side window, tinted glazing and a foot rest enhance the operator's comfort.



# Basic machine



## Engine

	PR 734	PR 744
Liebherr Diesel engine	D 936-L A6	D 936-L A6
	Emission regulations according to 97/68/EC, 2004/26/EC stage IIIA and EPA/CARB Tier 3	
Rating (ISO 9249)	150 kW / 204 HP	185 kW / 252 HP
Rating (SAE J1349)	150 kW / 201 HP	185 kW / 248 HP
Rated speed	1,800 1/min	1,600 1/min
Displacement	10.5 l / 641 in <sup>3</sup>	10.5 l / 641 in <sup>3</sup>
Design	6 cylinder in-line engine, water-cooled. Turbocharged, intercooled	
Injection system	Direct fuel injection, pump-line-nozzle system, electronic control	
Lubrication	Force-feed lubrication, engine lubrication in an inclined position up to 45°, on all sides	
Operating voltage	24 V	24 V
Alternator	80 A	80 A
Starter	7.8 kW / 11 HP	7.8 kW / 11 HP
Batteries	2 x 170 Ah / 12 V	2 x 170 Ah / 12 V
Air cleaner	Dry-type air cleaner with safety element, aspirated pre-cleaner, service gauge in cab	
Cooling system	Combi radiator, comprising a radiator for water, hydraulic fluid (PR 734), charge air, fuel. Hydrostatic fan drive	



## Travel drive, control

	PR 734	PR 744
Transmission system	Infinitely variable hydrostatic travel drive, independent drive for each frame	
Travel speed *	continuously variable	
Speed range 1 (reverse):	0 - 4.0 km/h / 2.5 mph (4.8 km/h / 3.0 mph)	
Speed range 2 (reverse):	0 - 6.5 km/h / 4.0 mph (7.8 km/h / 4.8 mph)	
Speed range 3 (reverse):	0 - 11.0 km/h / 6.8 mph (11.0 km/h / 6.8 mph)	
	* Pre-adjusted, all speed ranges can be customised on the travel joystick	
Drawbar pull at 1.5 km/h / 0.9 mph	274 kN	365 kN
Electronic control	Electronic engine speed sensing control automatically adjusts travel speed and drawbar pull to match changing load conditions	
Steering	Hydrostatic	
Service brake	Wear-free, hydrostatic (dynamic braking)	
Automatic park brake	Wet multiple-disc brakes, wear-free, automatically applied with neutral joystick position	
Cooling system	Hydraulic oil cooler,	Separate oil cooler
	integrated in combi radiator	
Filter system	Micro cartridge filters	
Final drive	Heavy-duty combination spur gear with planetary final drives, double sealed with electronic seal-integrity indicator	
Control	Single joystick for all travel and steering functions	



## Hydraulic equipment

	PR 734	PR 744
Hydraulic system	Load Sensing proportional pump flow control	
Pump type	Swash plate variable displacement piston pump	
Pump flow max.	209 l/min / 45.9 gpm	260 l/min / 57.2 gpm
Pressure limitation	200 bar / 2,900 PSI	260 bar / 3,770 PSI
Control valve	2 segments, expandable to 4	
Filter system	Return filter with magnetic rod	
Control	Single joystick for all blade functions	



## Undercarriage

	PR 734			PR 744	
	L	XL	LGP	L	LGP
Mount	Via separate pivot shafts and an oscillating equaliser bar				
Chains	Sealed and lubricated chains, single-bar grouser shoes, track chain tension via grease tensioner and hydraulic cylinders				
Links	40	44	44	40	44
Track rollers/carrier rollers	7/2	8/2	8/2	7/2	8/2
Sprocket segments	5	5	5	5	5
Track shoes standard	508 mm 20"	508 mm 20"	812 mm 32"	508 mm 20"	812 mm 32"
Track shoes optional	560 mm 610 mm	560 mm 610 mm	914 mm 965 mm	560 mm 610 mm	914 mm 710 mm
	22", 24"	22", 24"	36", 38"	22", 24"	36" 28"



## Operator's cab

	PR 734	PR 744
Cab	Resiliently mounted cab with positive pressure ventilation, can be tilted with hand pump 40° to the rear. With ROPS Rollover Protective Structure (ISO 3471) and FOPS Falling Objects Protective Structure (ISO 3449) integrated	
Operator's seat	Fully adjustable suspended seat	
Monitoring	Combined analogue / LC display, automatic monitoring, display if abnormal operating conditions	

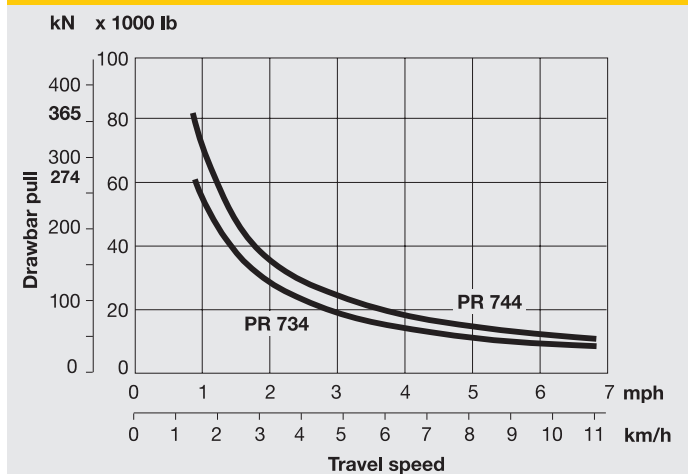


## Noise emissions

	PR 734	PR 744
Operator sound exposure ISO 6396	L <sub>PA</sub> = 78 dB(A) (emission at the operator's position)	L <sub>PA</sub> = 78 dB(A)
Exterior sound pressure 2000/14/EC	L <sub>WA</sub> = 111 dB(A) (emission in the environment)	L <sub>WA</sub> = 112 dB(A)



## Drawbar pull PR 734/PR 744



Usable drawbar pull will depend on traction and weight of tractor



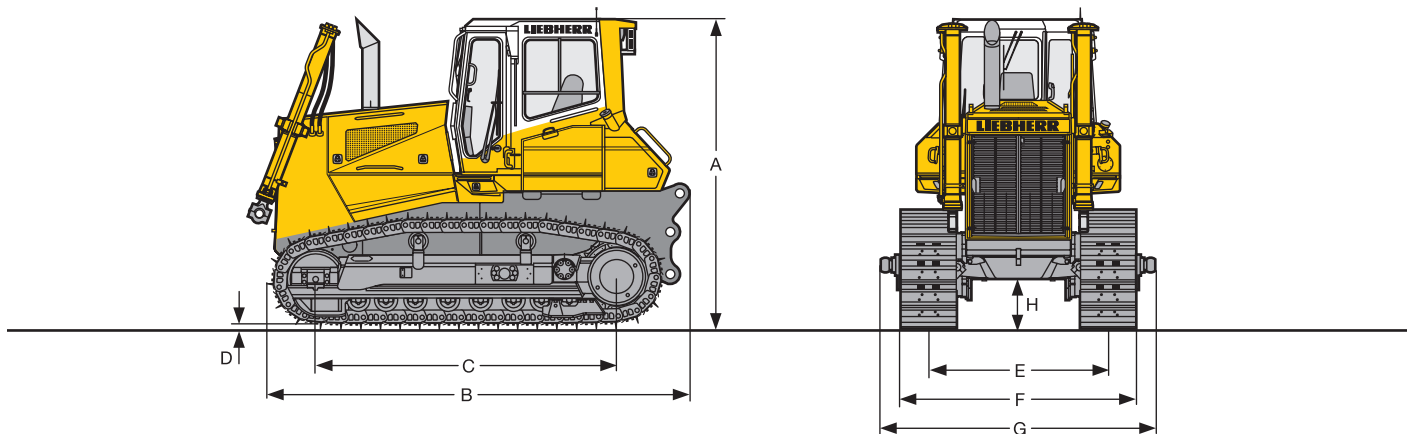
# Basic machine



## Refill capacities in Imp. gallons

	PR 734	PR 744
Fuel tank	400 l/88 gallons	515 l/113.3 gallons
Cooling system	55 l/12.1 gallons	62 l/ 13.6 gallons
Engine oil with oil filters	43 l/ 9.5 gallons	43 l/ 9.5 gallons
Splitter box	3.1 l/ 0.7 gallons	6.5 l/ 1.4 gallons
Hydraulic tank	144 l/31.7 gallons	169 l/ 37.2 gallons
Final drive L, XL, each	14 l/ 3.1 gallons	17.5 l/ 3.8 gallons
Final drive LGP, each	18.5 l/ 4.1 gallons	19.5 l/ 4.3 gallons

# Dimensions

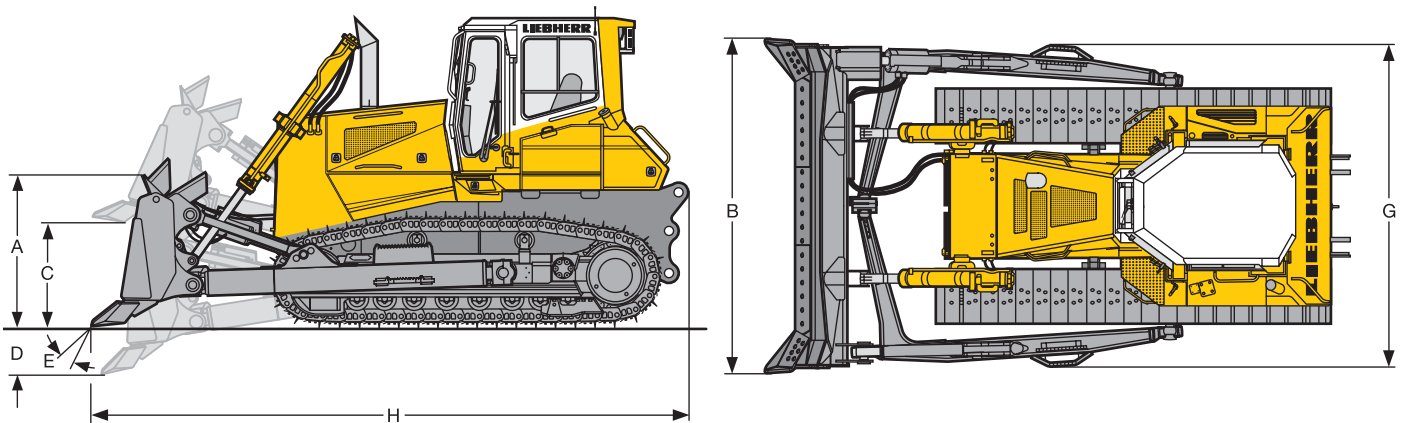



Dimensions		PR 734 L	PR 734 XL	PR 734 LGP	PR 744 L	PR 744 LGP
A Height over cab	mm	3,258	3,258	3,258	3,434	3,434
	ft in	10'8"	10'8"	10'8"	11'3"	11'3"
B Overall length without attachments	mm	4,335	4,335	4,335	4,657	4,692
	ft in	14'3"	14'3"	14'3"	15'3"	15'5"
C Distance idler/sprocket centre	mm	2,830	3,240	3,240	2,992	3,316
	ft in	9'3"	10'8"	10'8"	9'10"	10'11"
D Height of grouser	mm	65	65	65	71.5	71.5
	in	2.56"	2.56"	2.56"	2.81"	2.81"
E Track gauge	mm	1,830	1,830	2,180	1,980	2,180
	ft in	6'0"	6'0"	7'2"	6'6"	7'2"
F Total width without trunnions (standard shoe width)	mm	2,381	2,381	2,992	2,541	2,992
	ft in	7'10"	7'10"	9'10"	8'4"	9'10"
G Total width over blade-mounting trunnions	mm	2,724	2,724	3,474	3,000	3,600
	ft in	8'11"	8'11"	11'5"	9'10"	11'10"
H Ground clearance	mm	494	494	494	545	545
	ft in	1'7"	1'7"	1'7"	1'9"	1'9"
Tractor shipping weight <sup>1</sup>	kg	17,546	18,094	19,236	20,920	23,280
	lb	38,682	39,890	42,408	46,121	51,324

<sup>1</sup>Includes coolant, lubricants, 20% fuel, ROPS/FOPS cab and track shoes 508 mm/20" (L, XL) and 812 mm/32" (LGP).



# Front attachment



 <b>Semi-U blade and Straight blade</b>		<b>PR 734 L</b>	<b>PR 734 XL</b>	<b>PR 734 LGP</b>	<b>PR 744 L</b>	<b>PR 744 LGP</b>
		<b>Semi-U blade</b>	<b>Semi-U blade</b>	<b>Straight blade</b>	<b>Semi-U blade</b>	<b>Straight blade<sup>3</sup></b>
Blade capacity according to ISO 9246	m <sup>3</sup>	5.56	5.56	4.10	7.20	6.00
	yd <sup>3</sup>	7.27	7.27	5.36	9.40	7.90
A Height of blade	mm	1,400	1,400	1,150	1,545	1,320
	ft in	4'7"	4'7"	3'9"	5'1"	4'4"
B Width of blade	mm	3,372	3,372	3,995	3,690	4,520
	ft in	11'1"	11'1"	13'1"	12'1"	14'10"
Width over quick-coupler system <sup>1</sup>	mm	2,994	2,994	3,494	–	–
	ft in	9'10"	9'10"	11'6"	–	–
C Lifting height	mm	1,170	1,206	1,215	1,222	1,179
	ft in	3'10"	3'11"	4'0"	4'0"	3'10"
D Depth below ground	mm	536	554	559	511	616
	ft in	1'9"	1'10"	1'10"	1'8"	2'0"
E Max. blade pitch		10°	10°	10°	10°	10°
Max. blade tilt	mm	780	780	714	930	933
	ft in	2'7"	2'7"	2'4"	3'1"	3'1"
G Width over C-frame	mm	3,000	3,000	3,750	3,556	4,034
	ft in	9'10"	9'10"	12'4"	11'8"	13'3"
H Overall length, blade straight	mm	5,678	5,948	5,693	6,050	5,935
	ft in	18'8"	19'6"	18'8"	19'10"	19'6"
Operating weight <sup>2</sup>	kg	20,388	20,936	22,122	24,605	27,250
	lb	44,948	46,156	48,771	54,245	60,076
Ground pressure <sup>2</sup>	kg/cm <sup>2</sup>	0.71	0.64	0.42	0.81	0.50
	PSI	10.10	9.10	5.97	11.52	7.11

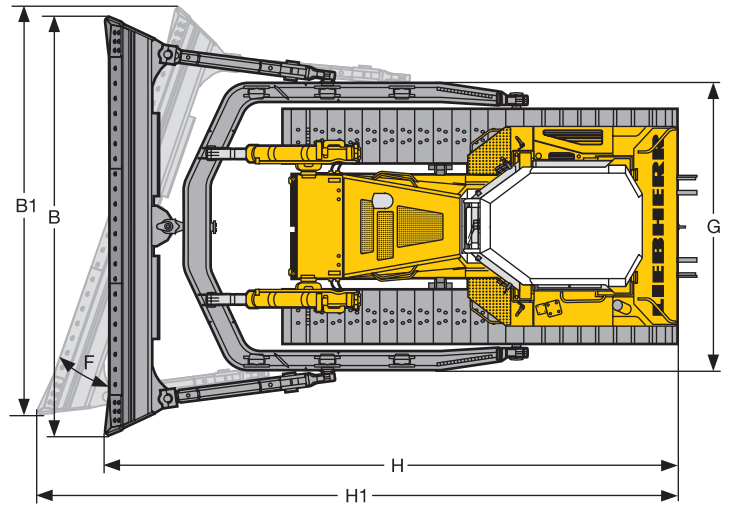
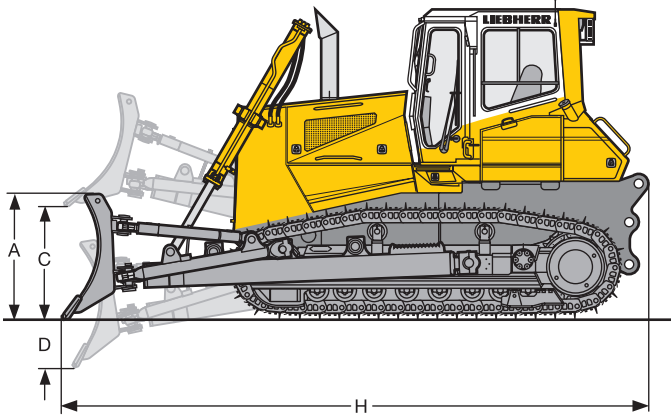
<sup>1</sup>Quick-coupler system optional, LGP version with maximum track shoes width 812 mm/32". When using a quick-coupler system, the installation of a rear counterweight is recommended.

<sup>2</sup>Includes coolant, lubricants, 20% fuel, ROPS/FOPS cab, operator, track shoes 508 mm/20" (L, XL) and 812 mm/32" (LGP), semi-U/straight blade.

<sup>3</sup>The installation of a rear counterweight (2,200kg / 4,850 lb) is recommended.



# Front attachment

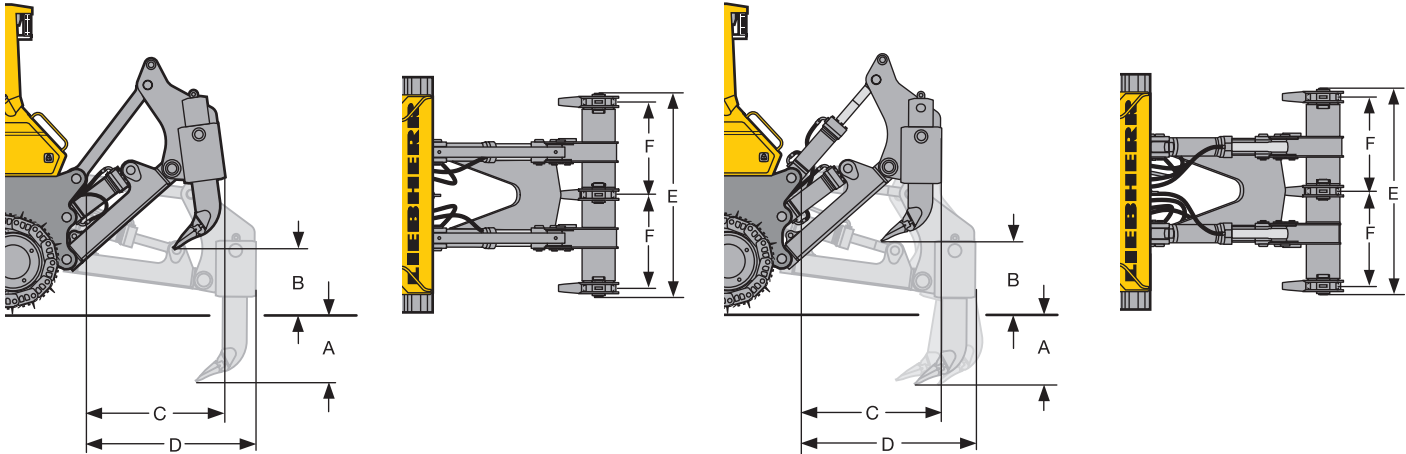



		<b>Mechanical angle blade</b>	<b>PR 734 L Angle blade</b>	<b>PR 734 XL Angle blade</b>	<b>PR 744 L Angle blade</b>
Blade capacity according to ISO 9246		m <sup>3</sup>	3.80	3.80	4.90
		yd <sup>3</sup>	4.97	4.97	6.41
A	Height of blade	mm	1,100	1,100	1,200
		ft in	3'7"	3'7"	3'11"
B	Width of blade	mm	4,240	4,240	4,590
		ft in	13'11"	13'11"	15'1"
B1	Transport width	mm	3,850	3,850	4,175
		ft in	12'8"	12'8"	13'8"
C	Lifting height	mm	1,190	1,203	1,290
		ft in	3'11"	3'11"	4'3"
D	Depth below ground	mm	617	648	570
		ft in	2'0"	2'2"	1'10"
F	Max. blade angle		25°	25°	25°
Max. blade tilt		mm	475	475	735
		ft in	1'7"	1'7"	2'5"
G	Width over C-frame	mm	2,890	2,890	3,200
		ft in	9'6"	9'6"	10'6"
H	Overall length, blade straight	mm	5,655	5,925	6,215
		ft in	18'7"	19'5"	20'5"
H1	Overall length, blade angled	mm	6,458	6,728	7,105
		ft in	21'2"	22'1"	23'4"
Operating weight <sup>1</sup>		kg	20,720	21,268	24,805
		lb	45,680	46,888	54,686
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup>	0.72	0.65	0.82
		PSI	10.24	9.24	11.66


<sup>1</sup> Includes coolant, lubricants, 20% fuel, ROPS/FOPS cab, operator, track shoes 508 mm/20", mechanical angle blade

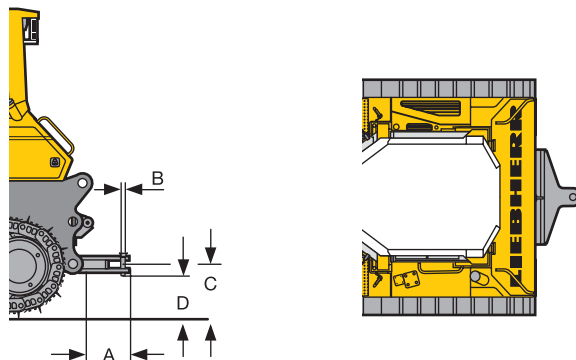


# Rear attachment



	<b>Ripper 3 shanks parallelogram</b>	<b>PR 734</b>		<b>PR 744</b>	<b>PR 744 with hydraulic pitch adjustment</b>
		<b>Standard</b>	<b>Option</b>		
A	Ripping depth (max./min.)	mm 507 / 357	mm 807 / 357	mm 749 / 449	mm 749 / 449
		ft in 1'8" / 1'2"	ft in 2'6" / 1'2"	ft in 2'5" / 1'6"	ft in 2'5" / 1'6"
B	Lifting height (max./min.)	mm 681 / 531	mm 681 / 231	mm 755 / 457	mm 759 / 459
		ft in 2'3" / 1'9"	ft in 2'3" / 0'9"	ft in 2'6" / 1'6"	ft in 2'6" / 1'6"
C	Additional length, attachment raised	mm 1,199		mm 1,586	mm 1,569
		ft in 3'11"		ft in 5'2"	ft in 5'2"
D	Additional length, attachment lowered	mm 1,531		mm 1,937	mm 1,937
		ft in 5'00"		ft in 6'4"	ft in 6'4"
E	Toolbar width	mm 2,320		mm 2,184	mm 2,184
		ft in 7'7"		ft in 7'2"	ft in 7'2"
F	Distance between teeth	mm 1,000		mm 1,000	mm 1,000
		ft in 3'3"		ft in 3'3"	ft in 3'3"
	Weight	kg 1,910	kg 4,212	kg 3,295	kg 3,305
		lb 4,212	lb 9,295	lb 7,265	lb 7,286
	Max. pitch adjustment	-		-	25°

	<b>Drawbar rigid</b>	<b>PR 734</b>	<b>PR 744</b>
		A	Additional length
		ft in 1'8"	ft in 1'5"
B	Socket pin diameter	mm 50	mm 50
		in 1.97"	in 1.97"
C	Height of jaw	mm 510	mm 521
		ft in 1'8"	ft in 1'9"
D	Ground clearance	mm 397	mm 425
		ft in 1'4"	ft in 1'5"
	Jaw opening	mm 95	mm 95
		in 3.74"	in 3.74"
	Weight	kg 263	kg 345
		lb 580	lb 761





# Equipment



## Basic machine

Tow switch	•
Towing hitch rear	•
Towing lug front	•
Battery compartment, lockable	•
Belly pans, heavy-duty	•
Cold start device, heating coil	•
Radiator wide-meshed	•
Radiator guard, hinged	•
Liebherr Diesel engine	•
Fan, hydraulically driven	•
Fan guard	•
Engine cover, perforated	•
Engine doors, perforated	•
Engine doors, hinged, lockable	•
Lugs for crane lifting	•
Fuel water separator	•
Air filter, dry-type, dual step	•
Pre-cleaner with automatic dust ejector	•
Toolkit	•
Forestry equipment	+
Landfill equipment	+
Tank guard, complete	+
Refueling pump, electric	+
Diesel particle filter	+
Radiator guard, heavy-duty	+
Liebherr bio-degradable hydraulic oil	+
Special paint	+
Fuel water separator with electric heater	+
Laser/GPS ready kit	(2) +



## Travel drive

Parking brake, automatic	•
Function control, automatic	•
Control single joystick	•
Load limit control, electronic	•
Electronic control	•
Travel control, 3 speed ranges	•
Hydrostatic travel drive	•
Inching brake pedal for PR 744	•
Emergency stop	•
Oil cooler	•
Final drives planetary gear	•
Safety lever	•
Inching brake pedal for PR 734	+

• = Standard

+ = Option

(1) = only for PR 744

(2) = only for PR 734



## Undercarriage

Track frame, closed	•
Sprocket segments, bolted	•
Master link, two-piece	•
Tracks oil-lubricated	•
Track frames, oscillating	•
Pivot shaft, separate	•
Track pads with mud hole	+
Track guide centre part	+
Track guide	+
Undercarriage L	+
Undercarriage XL	(2) +
Undercarriage LGP	+
Sprocket segments with recesses	+



## Electrical system

Starter 7.8 kW	•
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	•
Horn	•
Back-up alarm	+
Beacon	+
Electronic start lock	+
Additional lights, rear	+
Additional lights, on lift cylinders	+



## Operator's cab

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



## Control and warning lights

Control travel speed range (digital)	•
Control engine coolant temperature (analogue)	•
Control fuel level (analogue)	•
Hour meter (analogue)	•
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 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	•
Warning light hydraulic oil temperature	+



## Hydraulic system

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 control ripper	+
Hydraulic control winch	+
Hydraulic tank oil level control	+



## Attachments

Mounting plate for external tools	+
Drawbar rear, rigid	+
Drawbar rear, swivelling	+
Counterweight, rear 2,000 kg/4,409 lb (2)	+
Counterweight, rear 2,200 kg/4,850 lb for PR 744 LGP	+
Counterweight, rear with storage compartment 2,800 kg/6,173 lb (1)	+
Counterweight, rear 3,200 kg/7,055 lb (1)	+
Ripper 1 shank	+
Ripper 3 shanks	+
Straight blade	+
Semi-U blade	+
Angle blade	+
Quick-coupler system (2)	+
Winch	+
Spill plate for blade	+

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.



# The Liebherr Group of Companies

## Wide Product Range

The Liebherr Group is one of the largest construction equipment manufacturers in the world. Liebherr's high-value products and services enjoy a high reputation in many other fields, too. The wide range includes domestic appliances, aerospace and transportation systems, machine tools and maritime cranes.

## Exceptional Customer Benefit

Every product line provides a complete range of models in many different versions. With both their technical excellence and acknowledged quality, Liebherr products offer a maximum of customer benefits in practical application.

## State-of-the-art Technology

To provide consistent, top quality products, Liebherr attaches great importance to each product area, its components and core technologies. Important modules and components are developed and manufactured in-house, for instance the entire drive and control technology for construction equipment.

## Worldwide and Independent

Hans Liebherr founded the Liebherr family company in 1949. Since that time, the enterprise has steadily grown to a group of more than 100 companies with over 32,000 employees located on all continents. The corporate headquarters of the Group is Liebherr-International AG in Bulle, Switzerland. The Liebherr family is the sole owner of the company.

[www.liebherr.com](http://www.liebherr.com)



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