

# Crawler Tractors **PR 744** **PR 754** **PR 764**

Litronic®

Litronic®

Litronic®

Engine Output:	185 kW / 252 HP Stage IIIA / Tier 3	250 kW / 340 HP Stage IIIA / Tier 3	310 kW / 422 HP Stage IIIA / Tier 3
Operating Weight:	24,605 – 30,929 kg 54,245 – 68,187 lb	34,990 – 42,415 kg 77,140 – 93,509 lb	45,220 – 53,590 kg 99,693 – 118,146 lb



# LIEBHERR

## PR 744 Litronic®

Engine Output: 185 KW / 252 HP  
Operating Weight: 24,605 – 30,929 kg  
54,245 – 68,187 lb  
Blade Capacity: 4.90 – 7.20 m<sup>3</sup>  
6.41 – 9.42 yd<sup>3</sup>

Hydrostatic travel drive,  
electronically controlled

## PR 754 Litronic®

Engine Output: 250 KW / 340 HP  
Operating Weight: 34,990 – 42,415 kg  
77,140 – 93,509 lb  
Blade Capacity: 4.97 – 11.70 m<sup>3</sup>  
6.5 – 15.3 yd<sup>3</sup>

Hydrostatic travel drive,  
electronically controlled

## PR 764 Litronic®

Engine Output: 310 KW / 422 HP  
Operating Weight: 45,220 – 53,590 kg  
99,693 – 118,146 lb  
Blade Capacity: 13.6 – 17.0 m<sup>3</sup>  
17.8 – 22.2 yd<sup>3</sup>

Hydrostatic travel drive,  
electronically controlled



## Performance

Power and innovative technology are features of Liebherr's generation 4 crawler tractors. Their excellent power-to-weight ratio stands for maximum productivity in all operating conditions. Whether ripping hard ground, moving material or grading surfaces, the outstanding performance of the PR 744, PR 754 and PR 764 never fails to impress.

## Economy

Liebherr's economic advantages are undisputed: like all Liebherr machines, the PR 744, PR 754 and PR 764 save money by being so easy to service, with shorter down times and lower maintenance costs. The Liebherr diesel engines combines performance with economy, and with the machines' efficient drivetrain, impressive power is available at minimum fuel consumption.

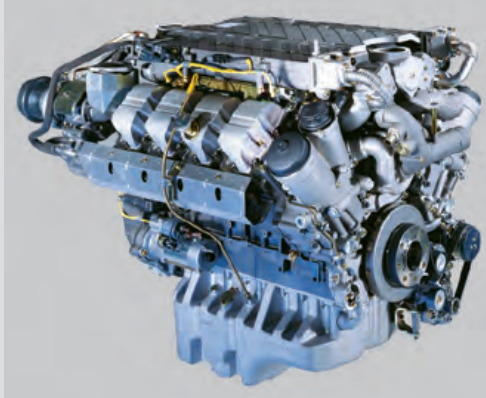
## Reliability

Sturdy and strong: Liebherr crawler tractors and the materials used to build them are designed for long, trouble-free life. Components subject to severe loads are made from high-strength materials, and points exposed to possible damage are well protected. Liebherr crawler tractors owe their high levels of availability to these stringent reliability standards.

## Comfort

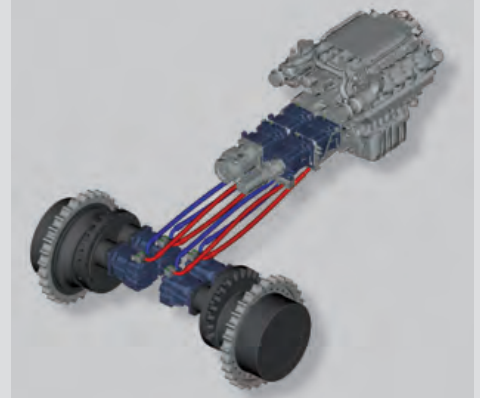
The operator of a generation 4 Liebherr crawler tractor works in a cab of generous size, with controls laid out according to the latest ergonomic principles. This well-designed cab provides an ideal view of the work area and the working equipment. Intuitive single joystick control makes for sensitive and accurate dozer operation.





**Liebherr diesel engines featuring the latest technologies:**

- Electronically controlled, the power output and torque curves are designed for outstanding productivity when pushing or ripping.
- An extra-deep oil sump maintains engine lubrication at slopes of up to 45 degrees for PR 744, PR 754 and 40 degrees for PR 764.



# Performance

Liebherr has successfully been building crawler tractors with hydrostatic transmission for the past thirty years. The latest generation 4 of models are powerful machines capable of tackling a wide range of tasks.

## Outstanding productivity

### Impressive power and drawbar pull

The powerful Liebherr diesel engine, combined with Liebherr's innovative driveline, makes ample power available for every working situation. The hydrostatic drive requires no gear shifting: engine power reaches the tracks without interruption, even when turning.

### Efficient pushing and ripping

Thanks to the hydrostatic transmission, the operator simply selects the most suitable working speed. The system automatically maintains peak engine rpm and power efficiency. Track slip is kept low and maximum power is continuously transferred to the tracks.

### Bogie suspension

For work on uneven or rough surfaces, Liebherr offers different types of bogie undercarriages for increased traction and pushing power.

### Outstanding manoeuvrability

The hydrostatic drive is particularly suitable for ripping work. The machine can be turned quickly, the rear ripper positioned accurately between hard rock layers, and the material broken out with the necessary force.

### Blade curvature for top transport capacity

The blades for the PR 744, PR 754 and PR 764 have had their penetration and rolling behaviour optimised, to increase their transport capacity.

### Low centre of gravity

The driveline assemblies are compact so that the complete machine has a very low centre of gravity, thereby allowing safe operation on steep slopes.

### Generous ground clearance

The well-planned component layout is designed for maximum ground clearance. Heavy duty belly pans prevent damage when working on rough stone or rock.



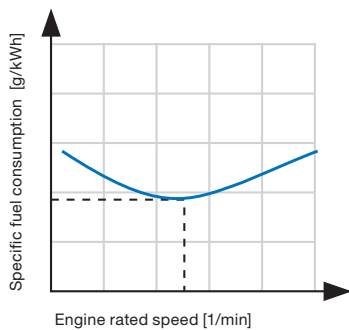
### Liebherr hydrostatic transmission

- Automatic speed and torque adjustment keeps the engine working at optimal power as the load changes.
- At low ground speeds, for instance during ripping work, the thermal loads on the hydrostatic travel gear are kept low. The driveline's high efficiency remains available in all speed ranges.



### Oscillating roller tracks

- When working on uneven surfaces, oscillating bogie undercarriages increase the ground contact area and improve traction. In addition, the resilient mountings effectively absorb shock loads.
- For work on softer, more yielding surfaces such as coal or wood chips, tracks with rigid rollers are used.



#### Constant engine speed keeps fuel consumption low

- Since the engine's nominal operating speed is in the region of its lowest specific fuel consumption, maximum operating economy is assured.



# Economy

Liebherr crawler tractors are designed with economy in mind, featuring low fuel consumption, high productivity, extended component life and minimum maintenance costs.

## Low fuel consumption

### Constant low engine speeds

The Liebherr diesel engine always operates at a constant speed – in the most economical rpm range – regardless of the actual travel speed. This avoids unnecessary fuel consumption.

A low mean piston speed boosts cylinder filling and leads to more efficient combustion of the fuel-air mixture.

### Efficient driveline

Hydrostatic transmission delivers the best possible level of efficiency over the full speed range. Even when peak power at low ground speed is required – e.g. when ripping – the oil temperature remains low.

### Load-sensing implement hydraulics

This system keeps energy consumption down to the level needed by the hydraulics at any given moment. It saves fuel when the work tools are not being operated.

## Low maintenance costs

### Good accessibility

All the diesel engine's servicing points are grouped together centrally, and can be easily reached. The hydraulic tilt cab makes it even easier to reach the various mechanical assemblies for quick, effective servicing.

### Longer maintenance intervals

Maintenance intervals are optimally matched to the various components and assemblies. Where parts are exposed to dirt and dust, for instance on the pushing frame, maintenance-free bearings are used.

## Long-life tracks

### Large track components

High-quality components with ample dimensions prolong the operating life of the undercarriage.

### Tiltable cab

- For easy, quick access to all drivetrain and hydraulic components.

### Simple maintenance

- All the servicing points are located centrally and are easy to reach, to minimise the time spent on daily inspection work.



### Liebherr Litronic control system

- Liebherr's Litronic control system matches travel speed ideally to the task at hand.
- Track slip is kept to a minimum in pushing as well as in ripping applications; this improves power transmission and prolongs track life.



#### The ideal configuration for every task

- There is a mining version for use on abrasive materials. Optional wear plates increase machine operating life before components have to be replaced.
- Liebherr offers special machine configurations for landfill, coal, or wood-chip applications, as well as for low ambient temperatures.





# Reliability

Well-proven technologies and high quality are what keeps a machine ready for use. Liebherr develops and builds its own components and assemblies specifically for use on construction and civil engineering machinery, so that their strength can be guaranteed however arduous the task.

## Liebherr powertrain

### Reliable construction-machinery engines

Liebherr diesel engines have been developed for the toughest imaginable operating conditions. A rigid ladder-type frame reduces engine vibration and provides the strength needed for maximum operating reliability and long service life.

### Wear-free driveline concept

A tried and tested system: Liebherr's hydrostatic travel drive needs no torque converter, manual-shift gearbox, differential steering or steering clutches. The system's hydraulic pumps and motors are standardised, effectively wear-free in operation and exceptionally reliable.

### Long-life final drives

Of ample dimensions, Generation 4 final drives are designed to withstand the most severe loads. Double transmission seals with automatic leak detection enhance reliability even more.

## Robust steel construction

### Box-section main frame

The main frame is of box-section design – a well-proven principle for maximum torsional stiffness and optimal absorption of forces. Cast steel is used for components subject to high stress.

### Rear ripper

Liebherr rippers are built for heavy-duty tasks, and have extra protection at all areas exposed to wear.

## Secrets of long-term reliability

### Modern cooling system

Two hydrostatically driven fans and a wide-meshed radiator guarantee optimal cooling performance, even in dusty environments.

### Protected electrics

High quality cable protection prevents mechanical damage to the cable harness.

### Component endurance tests

- Even at the design stage, components are subjected to FE analysis in order to determine their dimensions in relation to the loads they will encounter.
- All components undergo long-term laboratory and field testing, and only those that comply with Liebherr's high quality standards are approved for production.



### Modern cooling system

- Two electronically controlled fans draw in the volume of air actually needed to keep the hydraulic fluid and engine oil temperatures stable as loads vary. All components operate in their most favourable temperature ranges, thus avoiding unnecessary strain and prolonging their trouble-free operating life.
- Cooling air is drawn in from clean zones around the machine, to keep dust contamination to a minimum.
- Optional: a reversible fan for automatic radiator cleaning when operating in extremely dirty or dusty conditions.



#### Intuitive single joystick control

- Fingertip speed control: three travel speed ranges can be preselected and programmed individually by push-button:  
Initial settings    Stage 1: 0 – 2.5 mph  
                             Stage 2: 0 – 4.0 mph  
                             Stage 3: 0 – 6.8 mph
- Memory function  
Each time the machine is restarted, all existing settings are retained.



#### Inching brake pedal

- In addition to the travel joystick, the operator can control speed via a pedal and apply the brakes if necessary.

- 1 Inching function
- 2 Braking function



# Comfort

The operator's work area has been redesigned for an exceptionally high level of comfort and convenience. There is ample space, the controls are laid out ergonomically and the noise level is low. Liebherr cabs provide perfect conditions for concentrated work without fatigue. The excellent view makes safe, accurate operation much easier.

## Outstanding cab design

### Ergonomics

The well-planned cab layout makes conditions ideal for stress-free, efficient operation of the machine. All instruments and controls are clearly laid out and within easy reach.

### Low noise levels

Thanks to effective sound insulation and the use of modern, quiet-running diesel engines, the PR 744, PR 754 and PR 764 feature exemplary noise levels that are well below the legal limits.

### Outstanding view

Integral ROPS/FOPS protection and large-area cab windows provide the operator with the best possible view in every direction.

## Simple, precise control

### Single joystick control

A single joystick controls all travel movements conveniently and accurately, including the 'counter rotation' function.

### Stepless speed control

Ground speed can be selected without gear changes and therefore with no interruption to the transmission of power.

### Safety in every situation

Even on steep gradients, the crawler tractor is always positively driven. Since the system cannot freewheel (hydrostatic transmission), the operator controls braking simply by moving back the travel joystick. When the machine comes to a halt, the parking brake is applied automatically for additional safety.



### Well-planned details

- A big storage compartment is a standard feature, and includes a 12 Volt power socket to supply a cooler.
- The seat with its wide range of adjustments and three-position armrests helps to provide a pleasant work area for the operator.
- Many other details, for example a sliding side window, tinted glass and a footrest, add to the operator's comfort still further.



### Excellent view of rear-end attachments

- ROPS/FOPS protection is integrated into the cab, with large-area windows
- Good view of ripper and surrounding work area
- Direct view of ripper adjusting pin

# Base machine PR 744



## Engine

Liebherr Diesel engine	D 936 L A6 Emission regulations according to 97/68/EC, 2004/26/EC Stage IIIA and EPA/CARB Tier 3
Rated power (net)	
ISO 9249	185 kW/252 HP
SAE J1349	185 kW/248 HP
Maximum power (net)	
ISO 9249	210 kW/286 HP
SAE J1349	210 kW/281 HP
Rated speed	1,600 rpm
Displacement	10.5 l/641 in <sup>3</sup>
Design	6 cylinder in-line engine (wet-sleeve) water-cooled, turbocharged, air-to-air intercooler
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
Alternator	80 A
Starter	7.8 kW/11 HP
Batteries	2 x 170 Ah/12 V
Air cleaner	Dry-type air cleaner with pre-cleaner, main and safety elements, control light in the operator's cab
Cooling system	Combi radiator, comprising radiators for water and charge air. Hydrostatic fan drive



## Travel drive, control

Transmission system	Infinitely variable hydrostatic travel drive, independent drive for each track
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)
	*Travel speed ranges can be set on the travel joystick
Electronic control	The electronic system automatically adjusts travel speed and drawbar pull to match changing load conditions
Steering	Hydrostatic
Service brake	Hydrostatic (self locking), wear-free
Parking brake	Multi-disc brake, wear-free, automatically applied with neutral joystick position
Cooling system	Separate oil cooler
Filter system	Micro cartridge filters in replenishing circuit
Final drive	Combination spur gear with planetary gear, double sealed (duo con seals) with temperature indicator
Control	Single proportional joystick for all travel and steering functions



## Hydraulics

Hydraulic system	Load sensing (demand-controlled)
Pump type	Swash plate piston pump
Pump flow max.	260 l/min/57.2 gpm
Pressure limitation	260 bar/3,770 PSI
Control valve	2 segments, expandable to 4
Filter system	Return filter with magnetic rod in the hydraulic tank
Control	Single joystick for all blade functions



## Undercarriage

	L	LGP
Mounting	Via separate pivot shafts and equalizer bar	
Track chains	Lubricated, single grouser shoes, tensioning via steel spring and grease tensioner	
Links, each side	40	43
Track rollers, each side	7	8
Carrier rollers, each side	2	2
Sprocket segments	5 each side	5 each side
Track shoes, standard	508 mm/20"	812 mm/32"
Track shoes, optional	560 mm/22" 610 mm/24" 711 mm/28"	914 mm/32"



## Operator's cab

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



## Sound emissions

Operator sound exposure ISO 6396	$L_{pA} = 78$ dB(A) (in the cab)
Exterior sound pressure 2000/14/EC	$L_{wA} = 112$ dB(A) (to the environment)



## Refill capacities

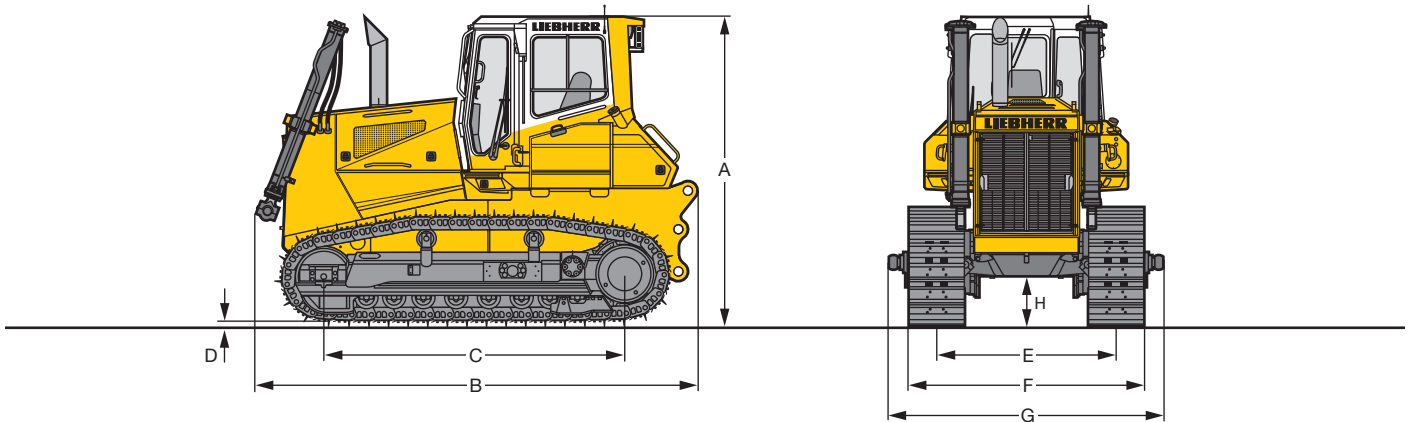
Fuel tank	535 l / 117.7 Imp.gal.
Cooling system	62 l / 13.6 Imp.gal.
Engine oil, with filters	43 l / 9.5 Imp.gal.
Splitter box	6.5 l / 1.4 Imp.gal.
Hydraulic tank	169 l / 37.2 Imp.gal.
Final drive L, each side	17.5 l / 3.8 Imp.gal.
Final drive LGP, each side	19.5 l / 4.3 Imp.gal.



## Drawbar pull PR 744

Max.	439 kN
at 1.5 km/h/0.9 mph	387 kN
at 3.0 km/h/1.9 mph	190 kN
at 6.0 km/h/3.7 mph	95 kN
at 9.0 km/h/5.6 mph	63 kN

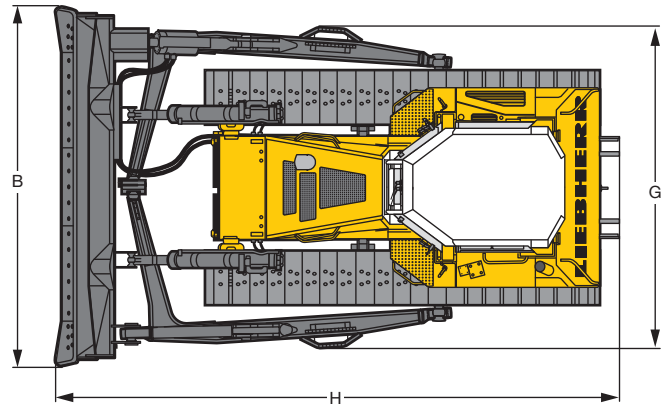
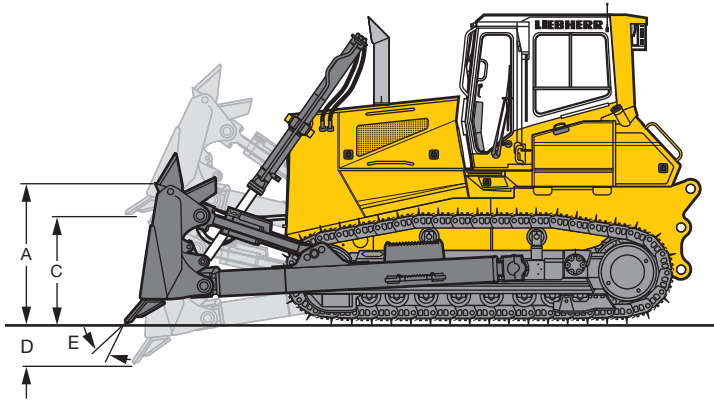
# Dimensions PR 744



Dimensions		Undercarriage	L	LGP
A	Height over cab	mm	3,434	3,434
		ft in	11'3"	11'3"
B	Overall length without attachments	mm	4,657	4,692
		ft in	15'3"	15'5"
C	Length of track on ground	mm	2,993	3,318
		ft in	9'10"	10'11"
D	Height of grousers	mm	71.5	71.5
		ft in	2.81"	2.81"
E	Track gauge	mm	1,980	2,180
		ft in	6'6"	7'2"
G	Width over trunnions	mm	3,000	3,600
		ft in	9'10"	11'10"
H	Ground clearance	mm	545	545
		ft in	1'9"	1'9"
Track shoes 508 mm / 20"				
	F Width over tracks	mm / ft in	2,488 / 8'2"	-
	Tractor shipping weight <sup>1</sup>	kg / lb	20,920 / 46,120	
Track shoes 560 mm / 22"				
	F Width over tracks	mm / ft in	2,540 / 8'4"	-
	Tractor shipping weight <sup>1</sup>	kg / lb	21,080 / 46,473	
Track shoes 610 mm / 24"				
	F Width over tracks	mm / ft in	2,590 / 8'6"	-
	Tractor shipping weight <sup>1</sup>	kg / lb	21,200 / 46,738	
Track shoes 711 mm / 28"				
	F Width over tracks	mm / ft in	2,891 / 9'5"	-
	Tractor shipping weight <sup>1</sup>	kg / lb	21,516 / 47,434	
Track shoes 812 mm / 32"				
	F Width over tracks	mm / ft in	-	2,992 / 9'9"
	Tractor shipping weight <sup>1</sup>	kg / lb	-	23,280 / 51,323
Track shoes 914 mm / 36"				
	F Width over tracks	mm / ft in	-	3,094 / 10'2"
	Tractor shipping weight <sup>1</sup>	kg / lb	-	23,654 / 52,148

<sup>1</sup> Includes coolant and lubricants, 20 % fuel, ROPS/FOPS cab.

# Front attachments PR 744

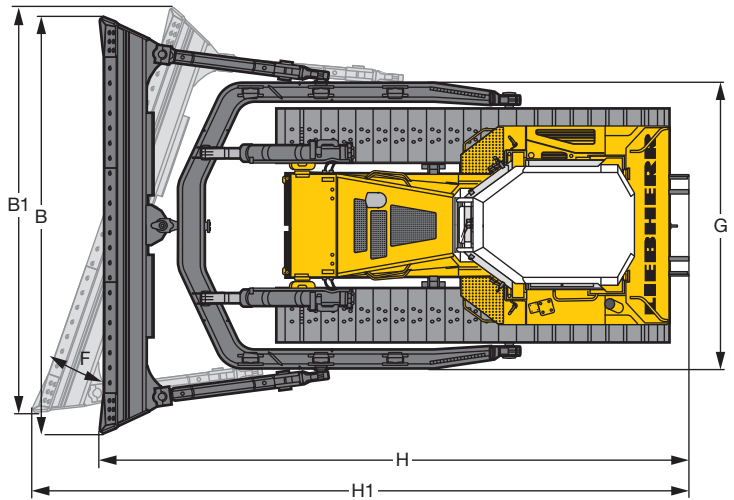
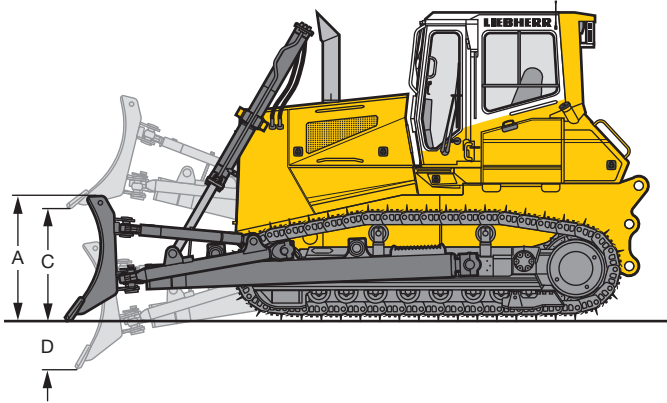


Semi-U blade and Straight blade		Undercarriage	Semi-U blade L	Straight blade <sup>2</sup> LGP
Blade capacity, ISO 9246		m <sup>3</sup>	7.20	6.00
		yd <sup>3</sup>	9.40	7.90
A Height of blade		mm	1,545	1,320
		ft in	5'1"	4'4"
B Width of blade		mm	3,690	4,520
		ft in	12'1"	14'10"
C Lifting height		mm	1,222	1,179
		ft in	4'0"	3'10"
D Digging depth		mm	511	616
		ft in	1'8"	2'0"
E Blade pitch adjustment			10°	10°
Max. blade tilt		mm	930	933
		ft in	3'1"	3'1"
G Width over C-frame		mm	3,556	4,034
		ft in	11'8"	13'3"
H Overall length, blade straight		mm	6,050	5,935
		ft in	19'10"	19'6"
Track shoes 508 mm / 20"				
Operating weight <sup>1</sup>		kg / lb	24,605 / 54,245	–
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	0.81 / 11.52	–
Track shoes 560 mm / 22"				
Operating weight <sup>1</sup>		kg / lb	24,765 / 54,597	–
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	0.74 / 10.52	–
Track shoes 610 mm / 24"				
Operating weight <sup>1</sup>		kg / lb	24,885 / 54,861	–
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	0.68 / 9.67	–
Track shoes 711 mm / 28"				
Operating weight <sup>1</sup>		kg / lb	25,201 / 55,558	–
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	0.59 / 8.39	–
Track shoes 812 mm / 32"				
Operating weight <sup>1</sup>		kg / lb	–	27,250 / 60,075
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	–	0.50 / 7.11
Track shoes 914 mm / 36"				
Operating weight <sup>1</sup>		kg / lb	–	27,624 / 60,899
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	–	0.46 / 6.54

<sup>1</sup> Includes coolant and lubricants, 20% fuel, ROPS/FOPS cab, semi-U/straight blade.

<sup>2</sup> Rear equipment or counterweight is recommended.

# Front attachments PR 744



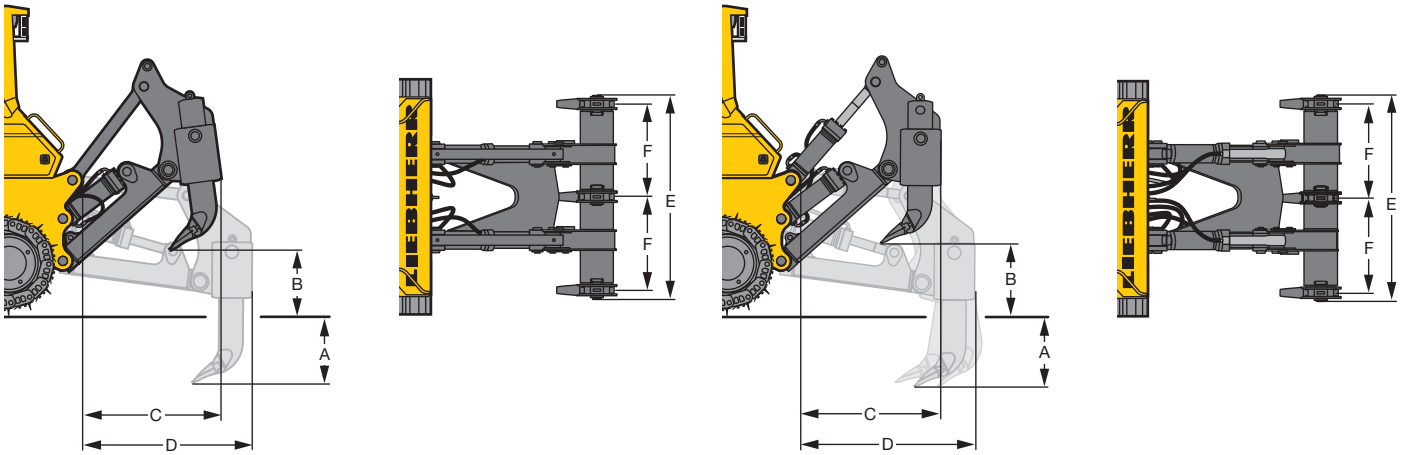
<b>Mechanical angle blade*</b>		<b>Undercarriage</b>	<b>L</b>
Blade capacity, ISO 9246		m <sup>3</sup>	4.90
		yd <sup>3</sup>	6.41
A	Height of blade	mm	1,200
		ft in	3'1"
B	Width of blade	mm	4,590
		ft in	15'1"
B1	Width of blade, angled	mm	4,175
		ft in	13'8"
C	Lifting height	mm	1,290
		ft in	4'3"
D	Digging depth	mm	570
		ft in	1'10"
F	Blade angle adjustment		25°
Max. blade tilt		mm	735
		ft in	2'5"
G	Width over push frame	mm	3,200
		ft in	10'6"
H	Overall length, blade straight	mm	6,215
		ft in	20'5"
H1	Overall length, blade angled	mm	7,105
		ft in	23'4"
Track shoes 508 mm / 20"			
Operating weight <sup>1</sup>		kg / lb	24,805 / 54,685
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	0.82 / 11.59
Track shoes 560 mm / 22"			
Operating weight <sup>1</sup>		kg / lb	24,965 / 55,038
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	0.74 / 10.59
Track shoes 610 mm / 24"			
Operating weight <sup>1</sup>		kg / lb	25,085 / 55,302
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	0.69 / 9.81
Track shoes 711 mm / 28"			
Operating weight <sup>1</sup>		kg / lb	25,401 / 55,999
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	0.60 / 8.53
Track shoes 812 mm / 32"			
Operating weight <sup>1</sup>		kg / lb	–
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	–
Track shoes 914 mm / 36"			
Operating weight <sup>1</sup>		kg / lb	–
Ground pressure <sup>1</sup>		kg/cm <sup>2</sup> / PSI	–

<sup>1</sup> Includes coolant and lubricants, 20% fuel, ROPS/FOPS cab, operator, mechanical angle blade.

\* Counterweight or rear attachment is recommended for improved performance and balance.

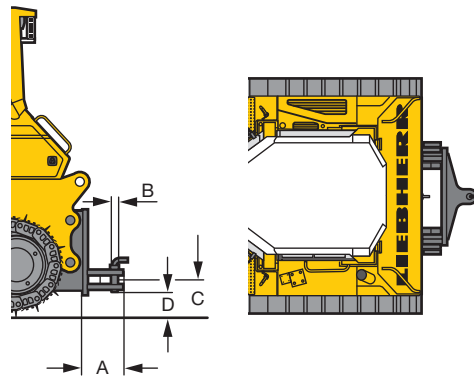
Operating weights are the same for dozers with mechanical tilt function or with hydraulic tilt function.

# Rear attachments PR 744



Ripper Parallelogram	3-shank ripper		
		standard	with hydraulic pitch adjustment
A Ripping depth (max./min.)	mm ft in	749 / 449 2'5" / 1'6"	749 / 449 2'5" / 1'6"
B Lifting height (max./min.)	mm ft in	755 / 457 2'6" / 1'6"	759 / 459 2'6" / 1'6"
C Overall length, attachment raised	mm ft in	1,586 5'2"	1,569 5'2"
D Overall length, attachment lowered	mm ft in	1,937 6'4"	1,937 6'4"
E Overall beam width	mm ft in	2,184 7'2"	2,184 7'2"
F Distance between shanks	mm ft in	1,000 3'3"	1,000 3'3"
Max. pitch adjustment		–	25°
Weight	kg	3,295	3,305
	lb	7,265	7,286

Drawbar		rigid
A Additional length	mm ft in	435 1'5"
B Socket pin diameter	mm in	50 1.97"
C Height of jaw	mm ft in	521 1'9"
D Ground clearance	mm ft in	425 1'5"
Jaw opening	mm in	95 3.74"
Weight	kg	345
	lb	761





# Base machine PR 754



## Engine

Liebherr Diesel engine	D 946 L A6 Emission regulations according to 97/68/EC, 2004/26/EC Stage IIIA and EPA/CARB Tier 3
Rated power (net)	
ISO 9249	250 kW/340 HP
SAE J1349	250 kW/336 HP
Maximum power (net)	
ISO 9249	275 kW/374 HP
SAE J1349	275 kW/369 HP
Rated speed	1,600 rpm
Displacement	12 l/733 in <sup>3</sup>
Design	6 cylinder in-line-engine (wet-sleeve) water-cooled, turbocharged, air-to-air intercooler
Injection system	Direct fuel injection, pump-line-nozzle system, electronic control
Lubrication	Pressurised lube system engine lubrication guaranteed for inclinations up to 45°, on all sides
Operating voltage	24 V
Alternator	80 A
Starter	7.8 kW/11 HP
Batteries	2 x 225 Ah/12 V
Air cleaner	Dry-type air cleaner with pre-cleaner, main and safety elements, control light in the operator's cab
Cooling system	Combi radiator, comprising radiators for water and charge air. Hydrostatic fan drive



## Travel drive, control

Transmission system	Infinitely variable hydrostatic travel drive, independent drive for each track
Travel speed*	Continuously variable
Speed range 1 (reverse):	0 – 4.0 km/h/2.5 mph (4.8 km/h/2.9 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 (memory function)
Electronic control	The electronic system automatically adjusts travel speed and drawbar pull to match changing load conditions
Steering	Hydrostatic
Service brake	Hydrostatic (self locking), wear free
Parking brake	Multi-disc brake, wear-free, automatically applied with neutral joystick position
Cooling system	Separate oil cooler, hydrostatic fan drive
Filter system	Micro cartridge filter in replenishing circuit
Final drive	Combination spur gear with planetary gear, double sealed (duo cone seals) with temperature indicator
Control	Single proportional joystick for all travel and steering functions



## Hydraulics

Hydraulic system	Load sensing (demand-controlled)
Pump type	Swash plate piston pump
Pump flow, max.	261 l/min / 57.4 gpm
Pressure limitation	260 bar / 3,770 PSI
Control valve	2 segments, expandable to 4
Filter system	Return filter with magnetic rod in the hydraulic tank
Control	Single joystick for all blade functions



## Undercarriage

	L	LGP
Mounting	Via separate pivot shafts and equalizer bar	
Track chains	Lubricated, single grouser shoes, tensioning via steel spring and grease tensioner	
Links, each side	44	44
Track rollers, each side	7	7
Carrier rollers, each side	2	2
Sprocket segments	5 each side	5 each side
Track shoes, standard	560 mm/22"	965 mm/38"
Track shoes, optional	610 mm/24" 660 mm/26" 711 mm/28"	914 mm/36"



## Operator's cab

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



## Sound emissions

Operator sound exposure ISO 6396	$L_{pA} = 78$ dB(A) (in the cab)
Exterior sound pressure 2000/14/EC	$L_{wA} = 113$ dB(A) (to the environment)



## Refill capacities

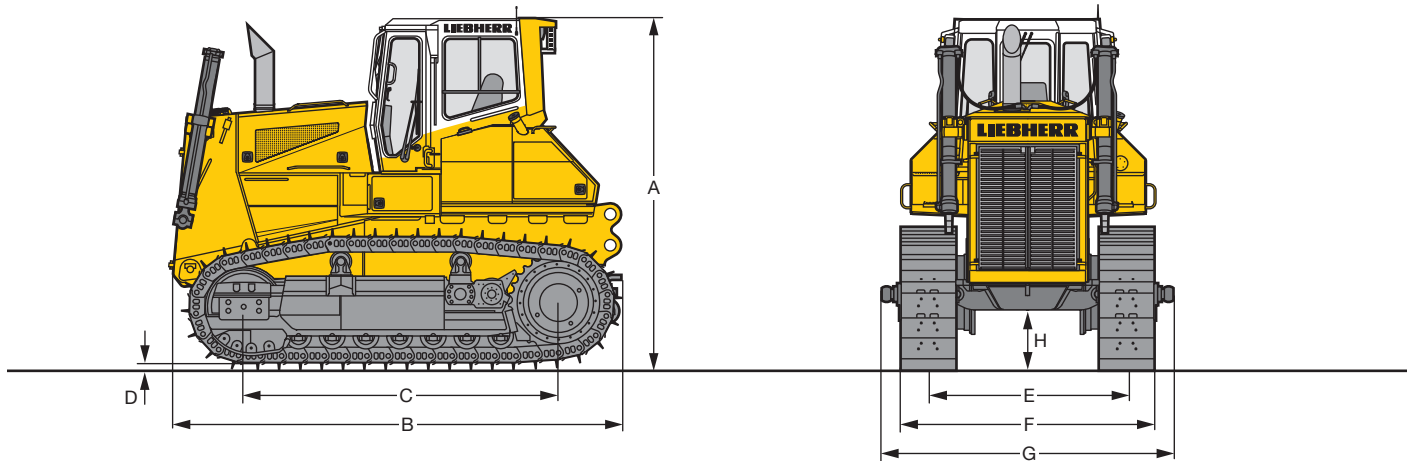
Fuel tank	650 l / 143.0 Imp.gal.
Cooling system	74 l / 16.3 Imp.gal.
Engine oil, with filters	43 l / 9.5 Imp.gal.
Splitter box	5.5 l / 1.2 Imp.gal.
Hydraulic tank	215 l / 47.3 Imp.gal.
Final drive L, each side	18.5 l / 4.1 Imp.gal.
Final drive LGP, each side	26 l / 6.87 Imp.gal.



## Drawbar pull PR 754

Max.	578 kN
at 1.5 km/h/0.9 mph	510 kN
at 3.0 km/h/1.9 mph	257 kN
at 6.0 km/h/3.7 mph	128 kN
at 9.0 km/h/5.6 mph	86 kN

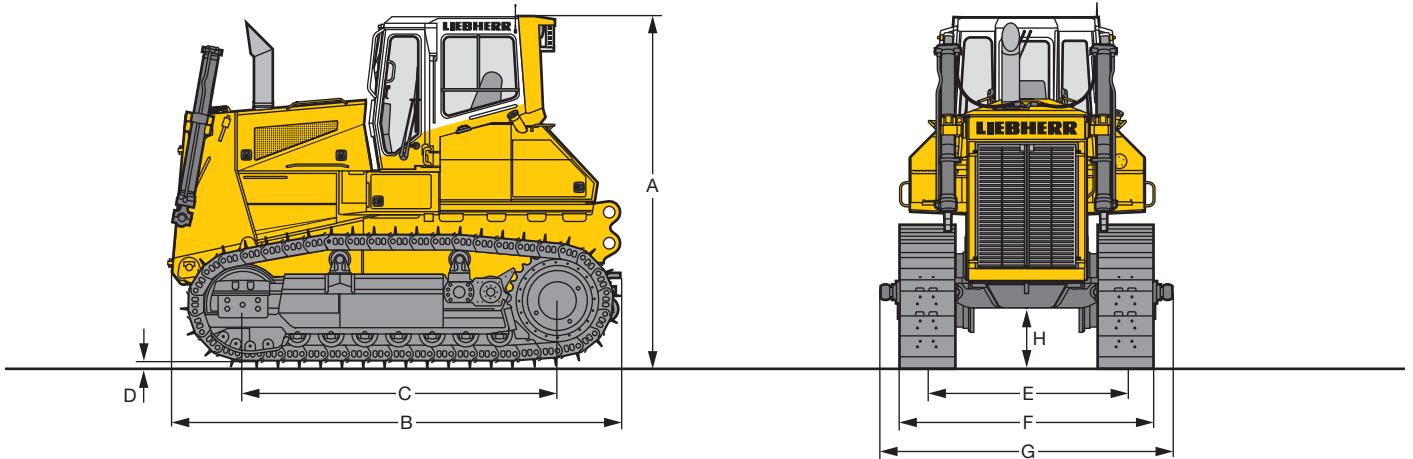
# Dimensions PR 754



Dimensions		Undercarriage	rigid bottom rollers	single bogie suspension
A	Height over cab	mm ft in		3,630 11'11"
B	Overall length without attachments	mm ft in		4,875 16'0"
C	Length of track on ground	mm ft in		3,176 10'5"
D	Height of grousers	mm in		84 3.31"
E	Track gauge	mm ft in		2,180 7'2"
G	Width over trunnions	mm ft in		3,145 10'4"
H	Ground clearance	mm ft in		630 2'1"
Track shoes 560 mm / 22"				
F	Width over tracks	mm / ft in	2,740 / 8'12"	2,740 / 8'12"
	Tractor shipping weight <sup>1</sup>	kg / lb	28,947 / 63,817	29,842 / 65,789
Track shoes 610 mm / 24"				
F	Width over tracks	mm / ft in	2,790 / 9'2"	2,790 / 9'2"
	Tractor shipping weight <sup>1</sup>	kg / lb	29,187 / 64,346	30,082 / 66,319
Track shoes 660 mm / 26"				
F	Width over tracks	mm / ft in	2,840 / 9'4"	2,840 / 9'4"
	Tractor shipping weight <sup>1</sup>	kg / lb	29,431 / 64,884	30,326 / 66,857
Track shoes 711 mm / 28"				
F	Width over tracks	mm / ft in	2,891 / 9'6"	2,891 / 9'6"
	Tractor shipping weight <sup>1</sup>	kg / lb	29,664 / 65,397	30,559 / 67,370

<sup>1</sup> Includes coolant and lubricants, 20% fuel, ROPS/FOPS cab.

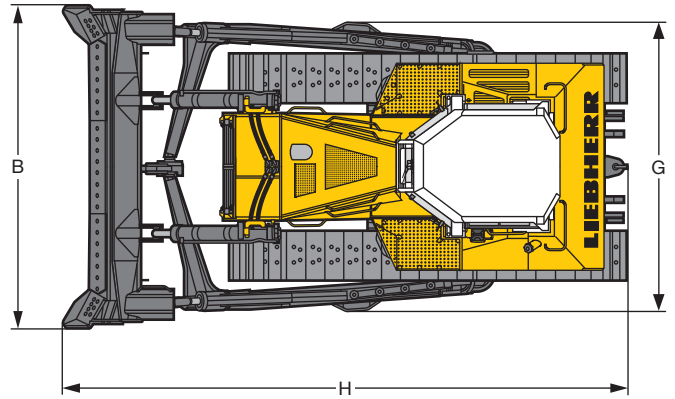
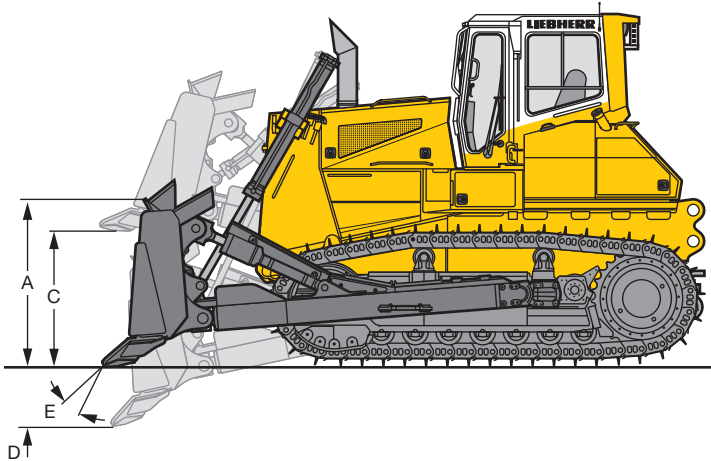
# Dimensions PR 754 LGP



Dimensions		Undercarriage	rigid bottom rollers
A	Height over cab	mm ft in	3,630 11'11"
B	Overall length without attachments	mm ft in	4,875 16'0"
C	Length of track on ground	mm ft in	3,174 10'5"
D	Height of grouser	mm in	84 3.31"
E	Track gauge	mm ft in	2,430 8'
G	Width over trunnions	mm ft in	3,575 11'9"
H	Ground clearance	mm ft in	552 1'10"
Track shoes 914 mm / 36"			
	F Width over tracks	mm / ft in	3,344 / 11'
	Tractor shipping weight <sup>1</sup>	kg /lb	31,007 / 68,359
Track shoes 965 mm / 38"			
	F Width over tracks	mm / ft in	3,393 / 11'2"
	Tractor shipping weight <sup>1</sup>	kg /lb	31,240 / 68,872

<sup>1</sup> Includes coolant and lubricants, 20% fuel, ROPS/FOPS cab.

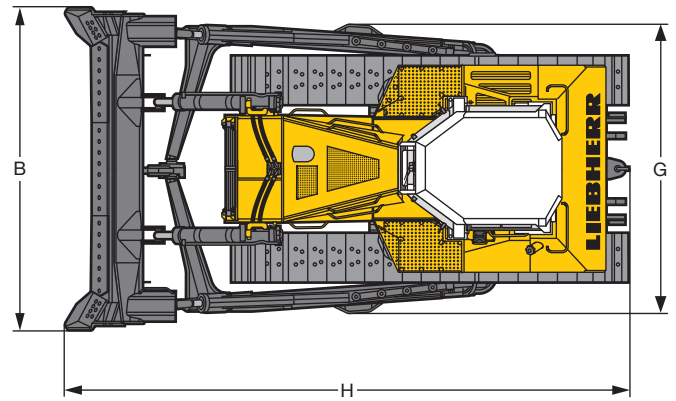
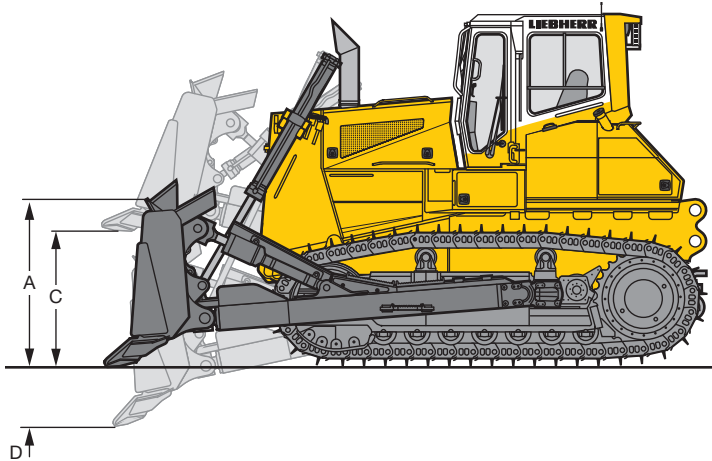
# Front attachments PR 754



<b>Semi-U blade</b>			
<b>Undercarriage</b>		<b>rigid bottom rollers</b>	<b>single bogie suspension</b>
Blade capacity, ISO 9246	m <sup>3</sup> yd <sup>3</sup>		8.9 11.64
A Height of blade	mm ft in		1,650 5'5"
B Width of blade	mm ft in		4,030 13'3"
C Lifting height	mm ft in		1,400 4'7"
D Digging depth	mm ft in		570 1'10"
E Blade pitch adjustment			10°
Max. blade tilt	mm ft in		972 3'2"
G Width over C-frame	mm ft in		3,772 12'5"
H Overall length, blade straight	mm ft in		6,448 21'2"
Track shoes 560 mm / 22"			
Operating weight <sup>1</sup>	kg / lb	34,990 / 77,140	35,885 / 79,113
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	0.98 / 13.94	1.01 / 14.36
Track shoes 610 mm / 24"			
Operating weight <sup>1</sup>	kg / lb	35,225 / 77,658	36,120 / 79,631
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	0.91 / 12.94	0.93 / 13.22
Track shoes 660 mm / 26"			
Operating weight <sup>1</sup>	kg / lb	35,462 / 78,179	36,357 / 80,153
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	0.84 / 12.03	0.86 / 12.33
Track shoes 711 mm / 28"			
Operating weight <sup>1</sup>	kg / lb	35,695 / 78,694	36,590 / 80,667
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	0.79 / 11.23	0.81 / 11.52

<sup>1</sup> Includes coolant and lubricants, 20 % fuel, ROPS/FOPS cab, semi-U blade, operator.

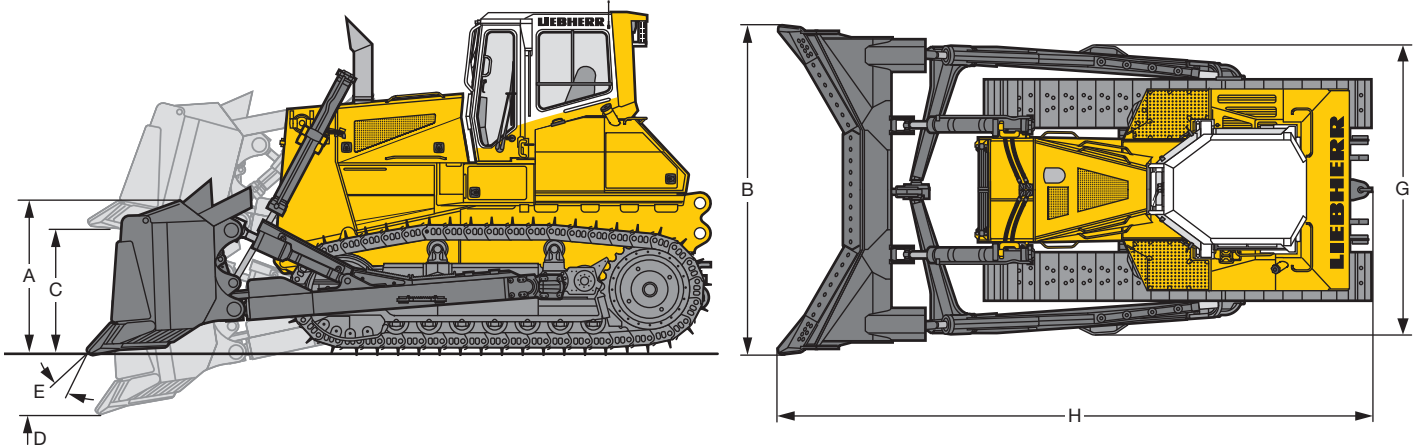
# Front attachments PR 754 LGP



Semi-U blade		rigid bottom rollers	
	Undercarriage		
Blade capacity, ISO 9246	m <sup>3</sup> yd <sup>3</sup>		9.46 12.37
A Height of blade	mm ft in		1,600 5'5"
B Width of blade	mm ft in		4,465 13'3"
C Lifting height	mm ft in		1,403 4'7"
D Digging depth	mm ft in		563 1'10"
Max. blade tilt	mm ft in		946 3'2"
G Width over C-frame	mm ft in		4,173 13'8"
H Overall length, blade straight	mm ft in		6,452 21'2"
Track shoes 914 mm / 36"			
Operating weight <sup>1</sup>	kg / lb		37,067 / 81,719
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI		0.64 / 9.1
Track shoes 965 mm / 38"			
Operating weight <sup>1</sup>	kg / lb		37,300 / 82,232
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI		0.61 / 8.67

<sup>1</sup> Includes coolant and lubricants, 20% fuel, ROPS/FOPS cab, semi-U blade, operator.

# Front attachments PR 754

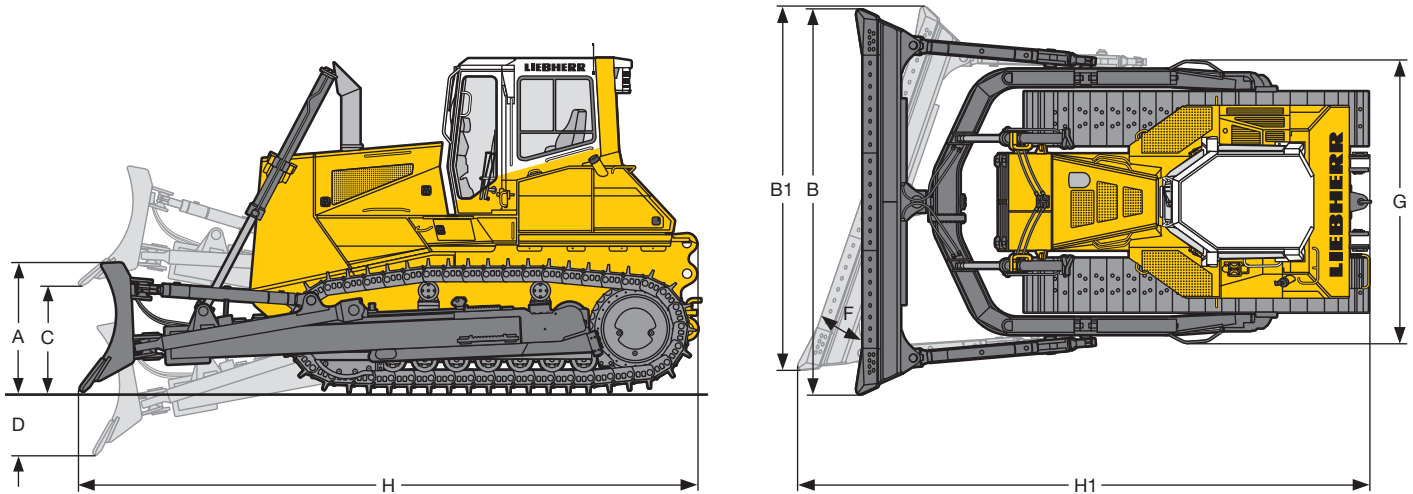


<b>U blade*</b>		<b>rigid bottom rollers</b>	<b>single bogie suspension</b>
	<b>Undercarriage</b>		
Blade capacity, ISO 9246	m <sup>3</sup>		11.7
	yd <sup>3</sup>		15.3
A Height of blade	mm		1,700
	ft in		5'7"
B Width of blade	mm		4,325
	ft in		14'2"
C Lifting height	mm		1,400
	ft in		4'7"
D Digging depth	mm		570
	ft in		1'10"
E Blade pitch adjustment			10°
Max. blade tilt	mm		1,043
	ft in		3'5"
G Width over C-frame	mm		3,772
	ft in		12'5"
H Overall length, blade straight	mm		6,915
	ft in		22'8"
Track shoes 560 mm / 22"			
Operating weight <sup>1</sup>	kg / lb	36,090 / 79,565	36,985 / 81,538
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	1.02 / 14.50	1.04 / 14.79
Track shoes 610 mm / 24"			
Operating weight <sup>1</sup>	kg / lb	36,325 / 77,878	37,220 / 82,056
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	0.94 / 13.37	0.96 / 13.65
Track shoes 660 mm / 26"			
Operating weight <sup>1</sup>	kg / lb	36,562 / 80,605	37,457 / 82,578
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	0.87 / 12.40	0.89 / 12.70
Track shoes 711 mm / 28"			
Operating weight <sup>1</sup>	kg / lb	36,795 / 81,119	37,690 / 83,092
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	0.82 / 11.66	0.84 / 11.94

\* Counterweight or rear attachment is recommended for improved performance and balance.

<sup>1</sup> Includes coolant and lubricants, 20 % fuel, ROPS/FOPS cab, U blade, operator.

# Front attachments PR 754



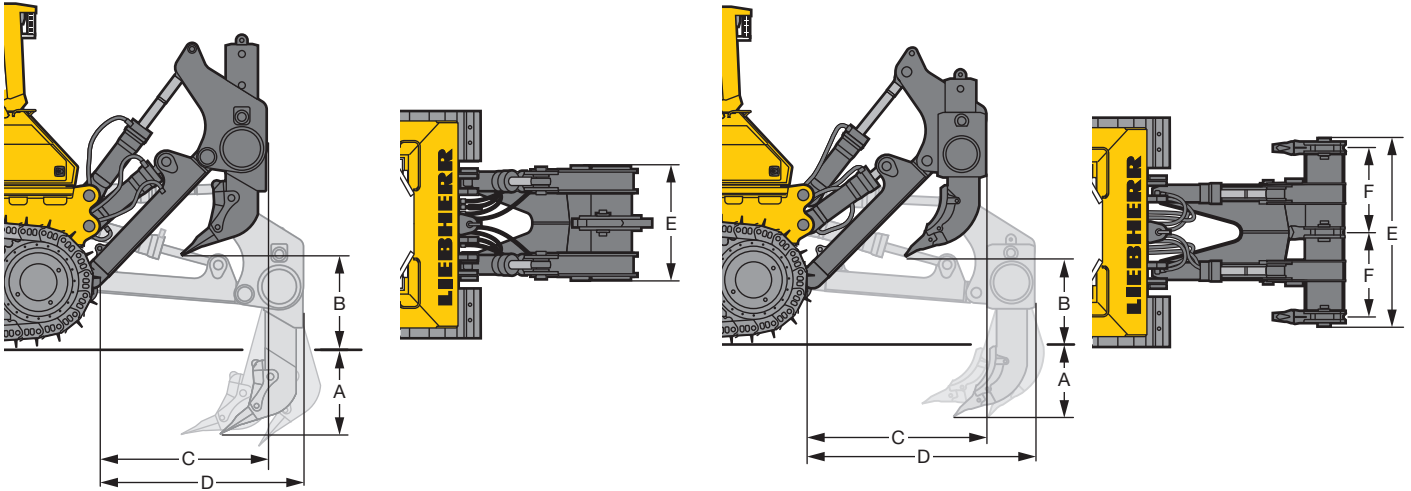
Mechanical angle blade*		Undercarriage	rigid bottom rollers	single bogie suspension
Blade capacity, ISO 9246		m <sup>3</sup>		4.97
		yd <sup>3</sup>		6.50
A Height of blade		mm	1,160	
		ft in	3'10"	
B Width of blade		mm	4,990	
		ft in	16'4"	
B1 Width of blade, angled		mm	4,581	
		ft in	15'0"	
C Lifting height		mm	1,401	
		ft in	4'7"	
D Digging depth		mm	730	
		ft in	2'5"	
F Blade angle adjustment			+/-25°	
Max. blade tilt		mm	500	
		ft in	1'8"	
G Width over push frame		mm	3,688	
		ft in	11'5"	
H Overall length, blade straight		mm	6,535	
		ft in	21'5"	
H1 Overall length, blade angled		mm	7,477	
		ft in	24'6"	
Track shoes 560 mm / 22"				
Operating weight <sup>1</sup>	kg / lb		34,515 / 76,093	35,945 / 79,245
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI		0.97 / 13.80	1.01 / 14.37
Track shoes 610 mm / 24"				
Operating weight <sup>1</sup>	kg / lb		35,250 / 77,713	36,185 / 79,774
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI		0.91 / 12.94	0.93 / 13.23
Track shoes 660 mm / 26"				
Operating weight <sup>1</sup>	kg / lb		35,490 / 78,242	36,425 / 80,303
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI		0.85 / 12.09	0.87 / 12.37
Track shoes 711 mm / 28"				
Operating weight <sup>1</sup>	kg / lb		35,725 / 78,760	36,660 / 80,821
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI		0.79 / 11.24	0.81 / 11.52

<sup>1</sup> Includes coolant and lubricants, 20 % fuel, ROPS/FOPS cab, operator, mechanical angle blade.

\* Counterweight or rear attachment is recommended for improved performance and balance.

Operating weights are the same for dozers with mechanical tilt function or with hydraulic tilt function.

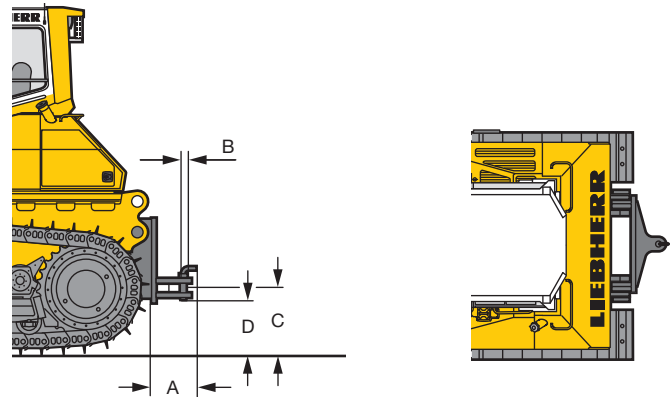
# Rear attachments PR 754



<b>Ripper Parallelogram</b>		<b>1-shank ripper with hydraulic pitch adjustment*</b>	<b>3-shank ripper with hydraulic pitch adjustment</b>
A Ripping depth (max./min.)	mm ft in	1,201 / 421 3'11" / 1'5"	791 / 476 2'7" / 1'7"
B Lifting height (max./min.)	mm ft in	1,040 / 260 3'5" / 10"	985 / 670 3'3" / 2'2"
C Overall length, attachment raised	mm ft in	1,821 6'0"	1,821 6'0"
D Overall length, attachment lowered	mm ft in	2,374 7'9"	2,374 7'9"
E Overall beam width	mm ft in	1,330 4'4"	2,434 8'0"
F Distance between shanks	mm ft in	-	1,100 3'7"
Max. pitch adjustment		31°	31°
Maximum penetration force	kN lb	118.2 26,563	120.4 27,057
Max. pryout force	kN lb	208.8 46,924	208.8 46,924
Weight	kg lb	3,631 8,005	4,725 10,417

\* Optional without hydraulic pitch adjustment.

<b>Drawbar</b>		<b>rigid</b>
A Additional length	mm ft in	463 1'6"
B Socket pin diameter	mm in	60 2.36"
C Height of jaw	mm ft in	619 2'0"
D Ground clearance	mm ft in	466 1'6"
Jaw opening	mm in	105 4.13"
Weight	kg lb	660 1,455



<b>Counterweight</b>		
Counterweight	kg lb	4,000 8,818
Counterweight with storage compartment	kg lb	3,500 7,716

Other counterweights available.



# Base machine PR 764



## Engine

Liebherr Diesel engine	D 9508 A7 Emission regulations according to 97/68/EC, 2004/26/EC Stage IIIA and EPA/CARB Tier 3
Rated power (net)	
ISO 9249	310 kW/422 HP
SAE J1349	310 kW/416 HP
Maximum power (net)	
ISO 9249	357 kW/486 HP
SAE J1349	357 kW/479 HP
Rated speed	1,600 rpm
Displacement	16.2 l/989 in <sup>3</sup>
Design	8 cylinder V-engine (wet-sleeve) water-cooled, turbocharged, air-to-air intercooler
Injection system	Direct fuel injection, common Rail system, electronic control
Lubrication	Pressurised lube system engine lubrication guaranteed for inclinations up to 40°, on all sides
Operating voltage	24 V
Alternator	80 A
Starter	7.8 kW/11 HP
Batteries	2 x 225 Ah/12 V
Air cleaner	Dry-type air cleaner with pre-cleaner, main and safety elements, control light in the operator's cab
Cooling system	Combi radiator, comprising radiators for water and charge air. Hydrostatic fan drive



## Travel drive, control

Transmission system	Infinitely variable hydrostatic travel drive, independent drive for each track
Travel speed*	Continuously variable
Speed range 1 (reverse):	0 – 4.0 km/h/2.5 mph (4.8 km/h/2.9 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 (memory function)
Electronic control	The electronic system automatically adjusts travel speed and drawbar pull to match changing load conditions
Steering	Hydrostatic
Service brake	Hydrostatic (self locking), wear-free
Parking brake	Multi-disc brake, wear-free, automatically applied with neutral joystick position
Cooling system	Separate oil cooler, hydrostatic fan drive
Filter system	Micro cartridge filter in replenishing circuit
Final drive	Combination spur gear with planetary gear, double sealed (duo cone seals) with temperature indicator
Control	Single proportional joystick for all travel and steering functions



## Hydraulics

Hydraulic system	Load sensing (demand-controlled)
Pump type	Swash plate piston pump
Pump flow, max.	352 l/min/77.9 gpm
Pressure limitation	260 bar/3,770 PSI
Control valve	2 segments, expandable to 4
Filter system	Return filter with magnetic rod in the hydraulic tank
Control	Single joystick for all blade functions



## Undercarriage

Mounting	Via separate pivot shafts and equalizer bar
Track chains	Lubricated, single-bar grouser shoes, tensioning via steel spring and grease tensioner
Links, each side	44
Track rollers, each side	7
Carrier rollers, each side	2
Sprocket segments	3 each side
Track shoes, standard	610 mm / 24"
Track shoes, optional	660 mm/26", 711 mm/28", 760 mm/30"



## Operator's cab

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



## Sound emissions

Operator sound exposure ISO 6396	$L_{pA} = 79$ dB(A) (in the cab)
Exterior sound pressure 2000/14/EC	$L_{wA} = 114$ dB(A) (to the environment)



## Refill capacities

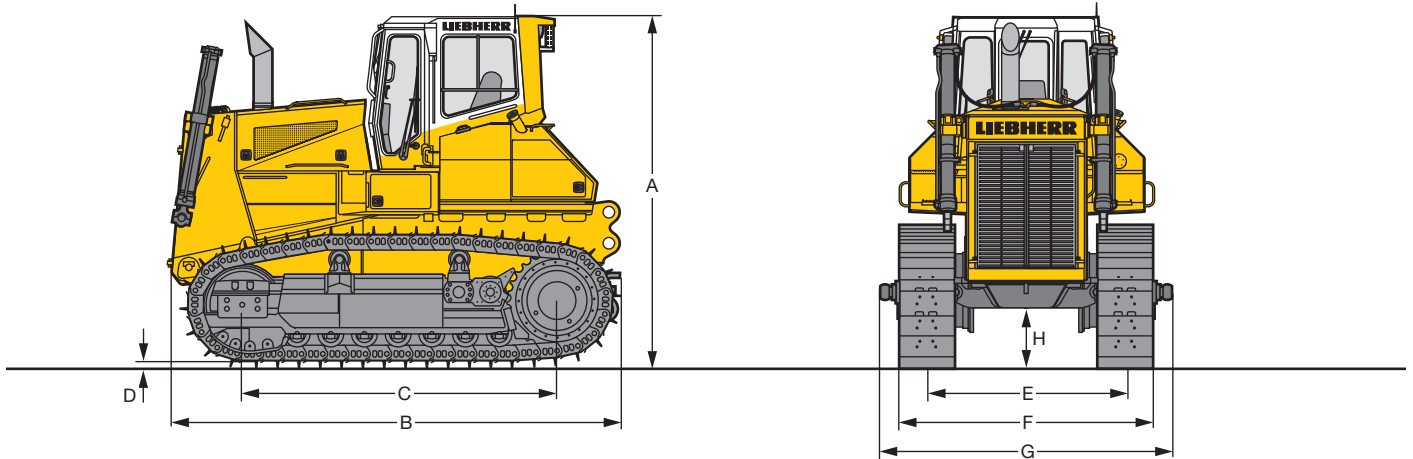
Fuel tank	860 l / 189.2 Imp.gal.
Cooling system	85 l / 18.7 Imp.gal.
Engine oil, with filters	70 l / 15.4 Imp.gal.
Splitter box	6.4 l / 1.4 Imp.gal.
Hydraulic tank	281 l / 61.8 Imp.gal.
Final drive, each side	22.5 l / 4.9 Imp.gal.



## Drawbar pull PR 764

Max.	694 kN
at 1.5 km/h/0.9 mph	612 kN
at 3.0 km/h/ 1.9 mph	318 kN
at 6.0 km/h/3.7 mph	157 kN
at 9.0 km/h/5.6 mph	106 kN

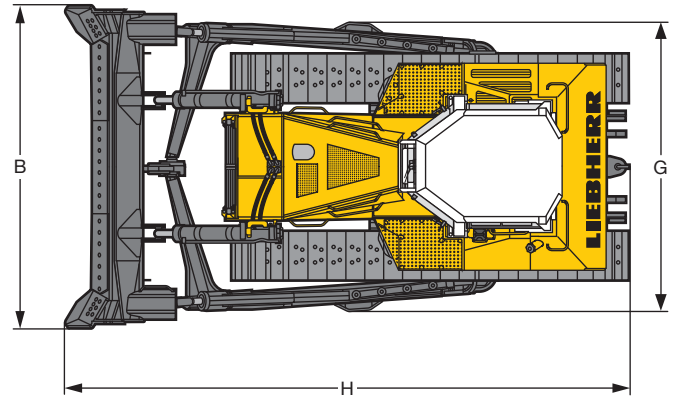
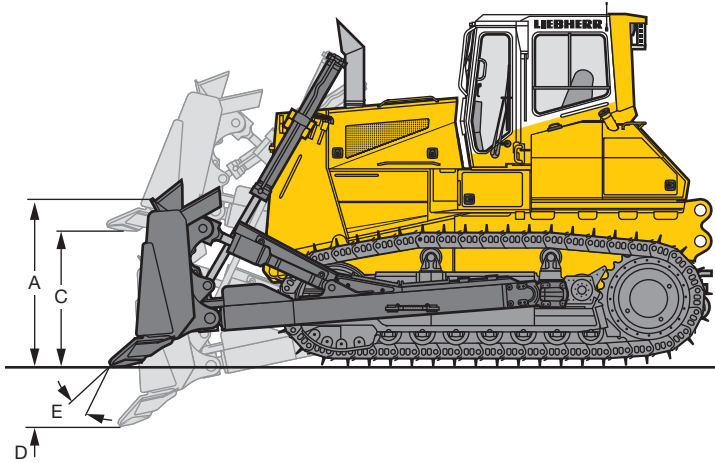
# Dimensions PR 764



Dimensions		Undercarriage	single bogie suspension	double bogie suspension
A	Height over cab	mm ft in		3,935 12'11"
B	Overall length without attachments	mm ft in	5,280 17'4"	
C	Length of track on ground	mm ft in	3,540 11'7"	
D	Height of grousers	mm in	84 3.31"	
E	Track gauge	mm ft in	2,240 7'4"	
G	Width over trunnions	mm ft in	3,263 10'8"	
H	Ground clearance	mm ft in	695 2'3"	
Track shoes 610 mm / 24"				
F	Width over tracks	mm / ft in	2,850 / 9'4"	2,850 / 9'4"
	Tractor shipping weight <sup>1</sup>	kg / lb	37,537 / 82,754	38,437 / 84,738
Track shoes 660 mm / 26"				
F	Width over tracks	mm / ft in	2,900 / 9'6"	2,900 / 9'6"
	Tractor shipping weight <sup>1</sup>	kg / lb	37,807 / 83,349	38,707 / 85,333
Track shoes 711 mm / 28"				
F	Width over tracks	mm / ft in	2,951 / 9'8"	2,951 / 9'8"
	Tractor shipping weight <sup>1</sup>	kg / lb	38,167 / 84,143	39,067 / 86,127
Track shoes 760 mm / 30"				
F	Width over tracks	mm / ft in	3,000 / 9'10"	3,000 / 9'10"
	Tractor shipping weight <sup>1</sup>	kg / lb	38,439 / 84,743	39,339 / 86,727

<sup>1</sup> Includes coolant and lubricants, 20% fuel, ROPS/FOPS cab.

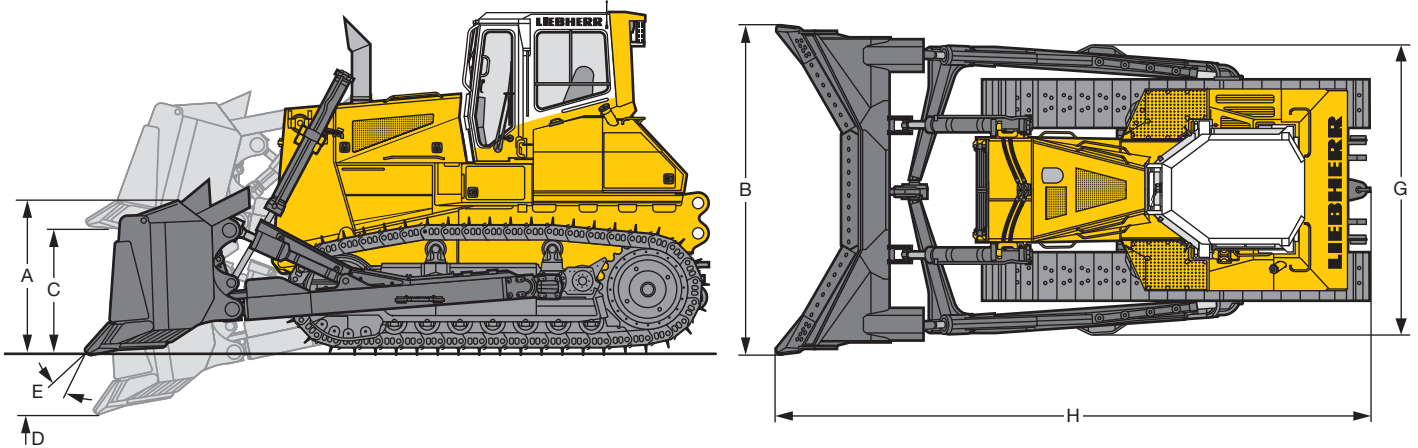
# Front attachments PR 764



Semi-U blade		single bogie suspension	double bogie suspension
	<b>Undercarriage</b>		
Blade capacity, ISO 9246	m <sup>3</sup> yd <sup>3</sup>		13.6 17.79
A Height of blade	mm ft in		1,950 6'5"
B Width of blade	mm ft in		4,370 14'4"
C Lifting height	mm ft in		1,480 4'10"
D Digging depth	mm ft in		647 2'1"
E Blade pitch adjustment			9.4°
Max. blade tilt	mm ft in		1,028 3'4"
G Width over C-frame	mm ft in		3,973 13'0"
H Overall length, blade straight	mm ft in		7,022 23'
Track shoes 610 mm / 24"			
Operating weight <sup>1</sup>	kg / lb	45,220 / 99,693	45,620 / 100,575
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	1.05 / 14.93	1.06 / 15.09
Track shoes 660 mm / 26"			
Operating weight <sup>1</sup>	kg / lb	45,490 / 100,287	45,890 / 101,169
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	0.97 / 13.84	0.98 / 13.96
Track shoes 711 mm / 28"			
Operating weight <sup>1</sup>	kg / lb	45,900 / 101,192	46,300 / 102,074
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	0.91 / 12.94	0.92 / 13.08
Track shoes 760 mm / 30"			
Operating weight <sup>1</sup>	kg / lb	46,180 / 101,809	46,580 / 102,691
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI	0.86 / 12.23	0.87 / 12.37

<sup>1</sup> Includes coolant and lubricants, 20% fuel, ROPS/FOPS cab, semi-U blade, operator.

# Front attachments PR 764

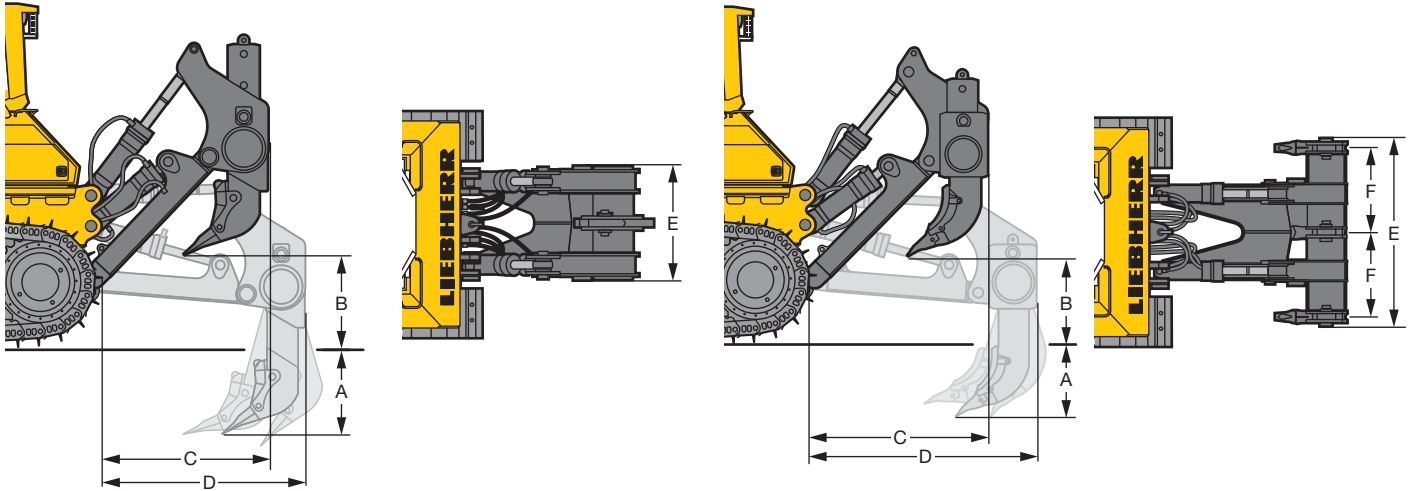


<b>U blade*</b>		<b>Undercarriage</b>	<b>single bogie suspension</b>	<b>double bogie suspension</b>
Blade capacity, ISO 9246		m <sup>3</sup>		17.0
		yd <sup>3</sup>		22.2
A Height of blade		mm		1,950
		ft in		6'5"
B Width of blade		mm		4,650
		ft in		14'4"
C Lifting height		mm		1,480
		ft in		4'10"
D Digging depth		mm		647
		ft in		2'1"
E Blade pitch adjustment				9.4°
Max. blade tilt		mm		1,094
		ft in		3'7"
G Width over C-frame		mm		3,973
		ft in		13'0"
H Overall length, blade straight		mm		7,549
		ft in		23'
Track shoes 610 mm / 24"				
Operating weight <sup>1</sup>	kg / lb		46,070 / 101,567	46,470 / 102,449
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI		1.07 / 15.22	1.08 / 15.36
Track shoes 660 mm / 26"				
Operating weight <sup>1</sup>	kg / lb		46,340 / 102,161	46,740 / 103,043
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI		0.99 / 14.10	1.00 / 14.22
Track shoes 711 mm / 28"				
Operating weight <sup>1</sup>	kg / lb		46,750 / 103,066	47,150 / 103,948
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI		0.93 / 13.22	0.94 / 13.37
Track shoes 760 mm / 30"				
Operating weight <sup>1</sup>	kg / lb		47,030 / 103,683	47,430 / 104,565
Ground pressure <sup>1</sup>	kg/cm <sup>2</sup> / PSI		0.87 / 12.37	0.88 / 12.51

\* Counterweight or rear attachment is recommended for improved performance and balance.

<sup>1</sup> Includes coolant and lubricants, 20 % fuel, ROPS/FOPS cab, U blade, operator.

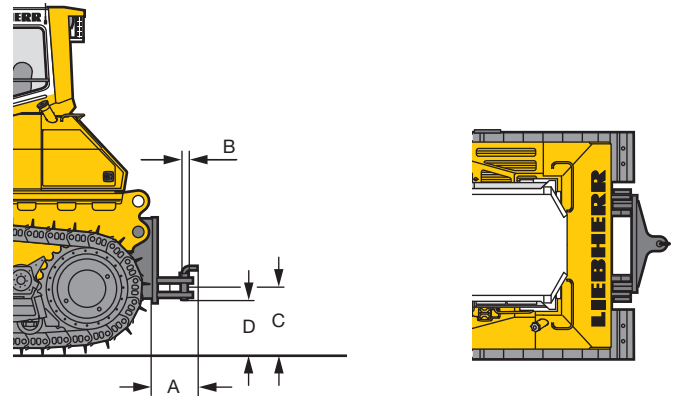
# Rear attachments PR 764



<b>Ripper Parallelogram</b>		<b>1-shank ripper with hydraulic pitch adjustment*</b>	<b>3-shank ripper with hydraulic pitch adjustment</b>
A Ripping depth (max./min.)	mm ft in	1,300 / 476 4'3" / 1'7"	900 / 520 2'11" / 1'8"
B Lifting height (max./min.)	mm ft in	1,000 / 260 3'3" / 10"	1,038 / 658 3'5" / 2'2"
C Overall length, attachment raised	mm ft in	1,894 6'3"	1,894 6'3"
D Overall length, attachment lowered	mm ft in	2,494 8'2"	2,494 8'2"
E Overall beam width	mm ft in	1,400 4'7"	2,494 8'2"
F Distance between shanks	mm ft in	-	1,130 3'8"
Max. pitch adjustment		31°	31°
Maximum penetration force	kN lb	166.9 37,507	176.4 39,642
Max. pryout force	kN lb	291.5 65,509	291.5 65,509
Weight	kg lb	4,786 10,551	6,160 13,580

\* Optional without hydraulic pitch adjustment.

<b>Drawbar</b>		<b>rigid</b>
A Additional length	mm ft in	434 1'5"
B Socket pin diameter	mm in	60 2.36"
C Height of jaw	mm ft in	678 2'3"
D Ground clearance	mm ft in	528 1'9"
Jaw opening	mm in	105 4.13"
Weight	kg lb	750 1,653



<b>Counterweight</b>		
Counterweight	kg lb	5,000 11,023
Counterweight with storage compartment	kg lb	4,750 10,472

Other counterweights available.

# Equipment



## Base machine

	744	754	764
Tow switch	•	•	•
Towing hitch rear	•	•	•
Towing lug front	•	•	•
Battery compartment, lockable	•	•	•
Belly pans, heavy-duty	•	•	•
Radiator, wide-meshed	•	•	•
Radiator guard, hinged	•	•	•
LiDAT - Liebherr data transmission system	•	•	•
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	•	•	•
Air filter 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 scheme	+ + +		
Fuel water separator with electric heater	+ + +		



## Travel drive

	744	754	764
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	•	•	•
Emergency stop	•	•	•
Oil cooler	•	•	•
Final drives planetary gear	•	•	•
Safety lever	•	•	•



## Undercarriage

	744	754	764
Track frame, closed	•	•	•
Sprocket segments, bolted	•	•	•
Master link, two-piece	•	•	•
Tracks oil-lubricated	•	•	•
Undercarriage, rigid	-	•	-
Track frames, oscillating	•	•	•
Pivot shaft, separate	•	•	•
Track shoes, moderate service	•	-	-
Track shoes, heavy duty	1) +	•	•
Track pads with mud hole	+ + +		
Track guide centre part	+ + +		
Track guard	+ + +		
Undercarriage with single bogie suspension	-	+ +	+
Undercarriage with double bogie suspension	-	-	+
Undercarriage LGP	+ + -		
Sprocket segments with recesses	+ + +		



## Operator's cab

	744	754	764
Storage compartment	•	•	•
Armrests 3D adjustable	•	•	•
Pressurised cab	•	•	•
Operator's seat, 6-way adjustable	•	•	•
Dome light	•	•	•
Coat hook	•	•	•
ROPS/FOPS	•	•	•
Rear-view, 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 windwos	+ + +		
Extension, seat back	+ + +		



## Electrical system

	744	754	764
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, front on lift cylinders, 4 units	+ + +		

- = Standard, + = Option, - = not available
- 1) on demand at your dealer
- 2) Undercarriage L
- 3) Undercarriage LGP



## Control and warning lights

	744	754	764
Control and 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 oil temperature gauge	+ - -		
Warning light hydraulic oil level	+ - -		



## Hydraulic system

	744	754	764
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

	744	754	764
Mounting plate for external equipment	+ + +		
Drawbar rear, rigid	+ + +		
Drawbar rear, swivelling	+ - -		
Counterweight, rear	+ + +		
Ripper, 1 shank	+ + +		
Ripper, 3 shanks	+ + +		
Straight blade	2), 3) +	-	-
Semi-U blade	2), 3) +	+ +	+
U blade	2) -	+ +	+
Mechanical angle blade	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.