

Technical data PR 756



Engine

Liebherr Diesel engine	D 946 A7 Emission regulations according to ECE-R.96 Stage IIIa, 2016/1628 Stage V, EPA/CARB Tier 4 Final
Rated power (net) ISO 9249 SAE J1349	260 kW / 353 HP 260 kW / 349 HP
Maximum power (net) ISO 9249 SAE J1349	275 kW / 374 HP 275 kW / 369 HP
Rated speed	1,600 rpm
Displacement	12 l / 733 in ³
Design	6 cylinder in-line engine, water-cooled, turbocharged, air-to-air intercooler
Injection system	Direct fuel injection, Common Rail, electronic control
Lubrication	Pressurised lube system, engine lubrication guaranteed for inclinations up to 45°, on all sides
Operating voltage	24 V
Alternator	140 A
Starter	7.8 kW / 11 HP
Batteries	4 x 95 Ah / 12 V
Air cleaner	Dry type air filter with vacuum indicator and automatic dust ejector, main and safety element
Cooling system	Combi radiator, comprising radiators for water and charge air. Hydrostatic fan drive



Hydraulics

Hydraulic system	Load sensing (demand-controlled)
Pump type	Swash plate piston pump
Pump flow, max.	256 l/min. / 67.6 gpm / 56.3 Imp.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



Travel drive

Transmission system	Infinitely variable hydrostatic travel drive, independent drive for each track
Travel speed * Speed range 1: Speed range 2: Speed range 3:	Continuously variable 0 – 4.0 km/h / 2.5 mph (forward & reverse) 0 – 6.0 km/h / 3.7 mph (forward & reverse) 0 – 11.0 km/h / 6.8 mph (forward & reverse) * Travel speed ranges can be set on the travel joystick (memory function)
Electronic system	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, hydraulic 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



Operator's cab

Cab	Hydro-elastic 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	Air suspended comfort seat, fully adjustable
Monitoring	Touch screen: display of current machine information, automatic monitoring of operating conditions, individual setting of machine parameters
Vibration emission Hand / arm vibrations Whole-body vibrations	< 2.5 m/s ² , according with ISO 5349-1:2001 0.24 – 1.31 m/s ² , complies with technical report ISO/TR 25398:2006
Measuring inaccuracy	According with standard EN 12096:1997

Undercarriage

	Standard	LGP
Design	Undercarriage with rigid bottom rollers or bogie suspension or oscillating idler	
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, each side	5	5
Track shoes, standard	610 mm / 24"	914 mm / 3"
Track shoes, optional	560 mm / 22" 711 mm / 28"	965 mm / 3'2"

Sound levels

Operator sound exposure ISO 6396	
L_{PA} (in the cab)	75 dB(A)
Exterior sound pressure 2000 / 14 / EC	
L_{WA} (to the environment)	113 dB(A)

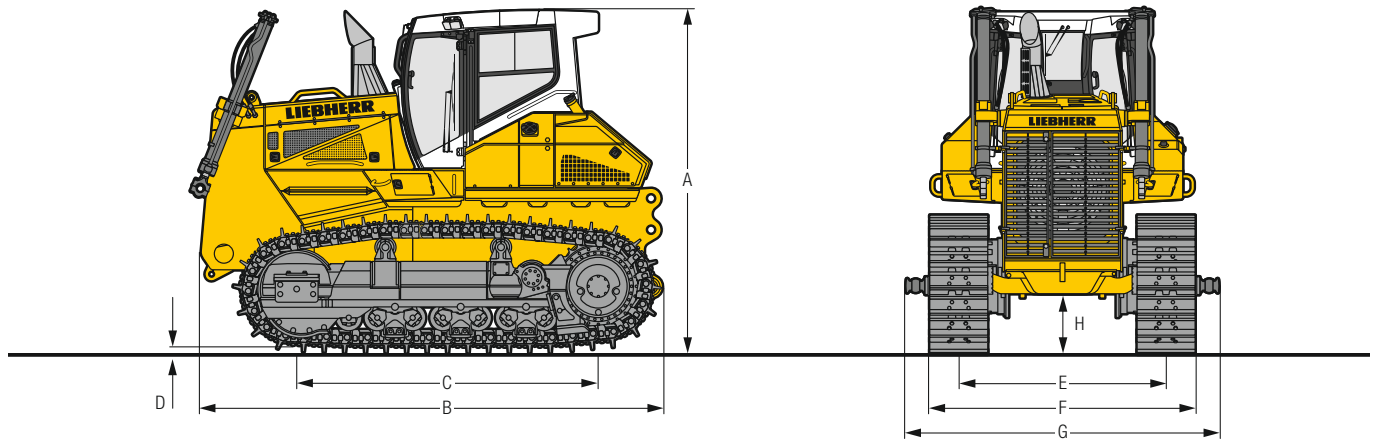
Refill capacities

Cooling system	55l / 14.5 gal / 12.1 Imp.gal
Diesel Exhaust Fluid (DEF) tank	80l / 21.1 gal / 17.6 Imp.gal
Engine oil, with filters	43l / 11.4 gal / 9.5 Imp.gal
Final drive LGP, each side	26l / 6.9 gal / 5.7 Imp.gal
Final drive Standard, each side	20l / 5.3 gal / 4.4 Imp.gal
Fuel tank	660l / 174.2 gal / 145.2 Imp.gal
Hydraulic tank	129l / 34.1 gal / 28.4 Imp.gal
Splitter box	8.5l / 2.2 gal / 1.9 Imp.gal

Drawbar pull

Max.	592 kN
at 1.5 km/h / 0.9 mph	522 kN
at 3.0 km/h / 1.9 mph	261 kN
at 6.0 km/h / 3.7 mph	133 kN
at 9.0 km/h / 5.6 mph	89 kN

Dimensions PR 756



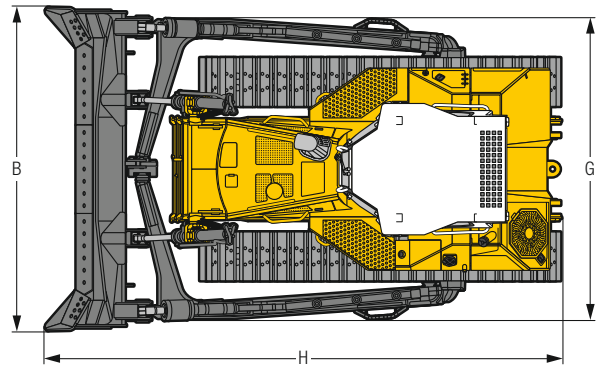
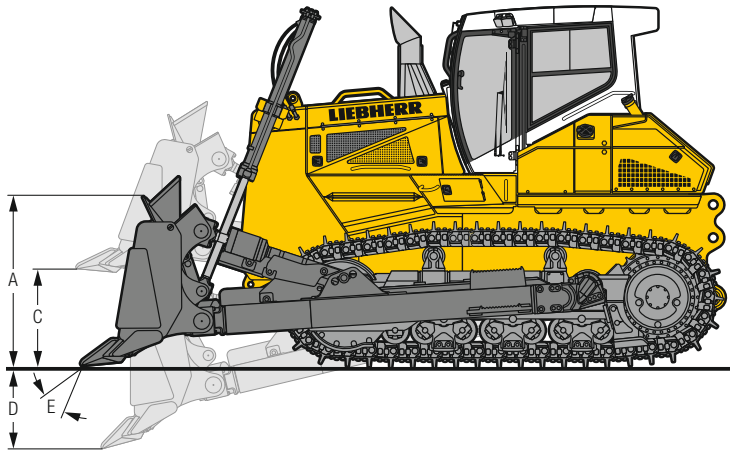
Dimensions

Undercarriage		Standard rigid bottom rollers	Standard bogie suspension	Standard oscillating idler double bogie suspension	LGP rigid bottom rollers
A Height over cab	mm	3,610 ²⁾		3,610 ²⁾	3,610 ²⁾
	ft in	11'10"		11'10"	11'10"
B Overall length without attachments	mm	4,885		4,885	4,885
	ft in	16'0"		16'0"	16'0"
C Length of track on ground	mm	3,174		3,249	3,174
	ft in	10'5"		10'8"	10'5"
D Height of grousers	mm	83		83	83
	ft in	3.27"		3.27"	0'3"
H Ground clearance	mm	635		644	635
	ft in	2'1"		2'1"	2'1"
E Track gauge	mm	2,180		2,180	2,430
	ft in	7'2"		7'2"	8'
G Width over trunnions	mm	3,145		3,145	3,575
	ft in	10'4"		10'4"	11'9"
F Track shoes 560 mm / 22"					
Width over tracks	mm / ft in	2,740 / 9'	2,740 / 9'	2,740 / 9'	-
Tractor shipping weight ¹⁾	kg / lb	29,106 / 64,168	30,033 / 66,211	31,067 / 68,491	
F Track shoes 610 mm / 24"					
Width over tracks	mm / ft in	2,790 / 9'2"	2,790 / 9'2"	2,790 / 9'2"	-
Tractor shipping weight ¹⁾	kg / lb	29,346 / 64,697	30,273 / 66,740	31,307 / 69,020	
F Track shoes 711 mm / 28"					
Width over tracks	mm / ft in	2,891 / 9'6"	2,891 / 9'6"	2,891 / 9'6"	-
Tractor shipping weight ¹⁾	kg / lb	29,823 / 65,748	30,750 / 67,792	31,784 / 70,072	
F Track shoes 914 mm / 3"					
Width over tracks	mm / ft in	-	-	-	3,344 / 11'
Tractor shipping weight ¹⁾	kg / lb				30,866 / 68,048
F Track shoes 965 mm / 3'2"					
Width over tracks	mm / ft in	-	-	-	3,395 / 11'2"
Tractor shipping weight ¹⁾	kg / lb				31,343 / 69,099

¹⁾ Including coolant and lubricants, 20 % fuel, ROPS / FOPS cab.

²⁾ Transport shipping height increases with optional equipment: preparation for Trimble & Leica +130 mm, amber beacon/beacon for back-up alarm +230 mm, dust filter overpressure system for cab +535 mm, protective cover for air conditioning condenser +170 mm, branch deflector (sweeps) +165 mm, other equipment on request.

Front attachments PR 756



Semi-U blade

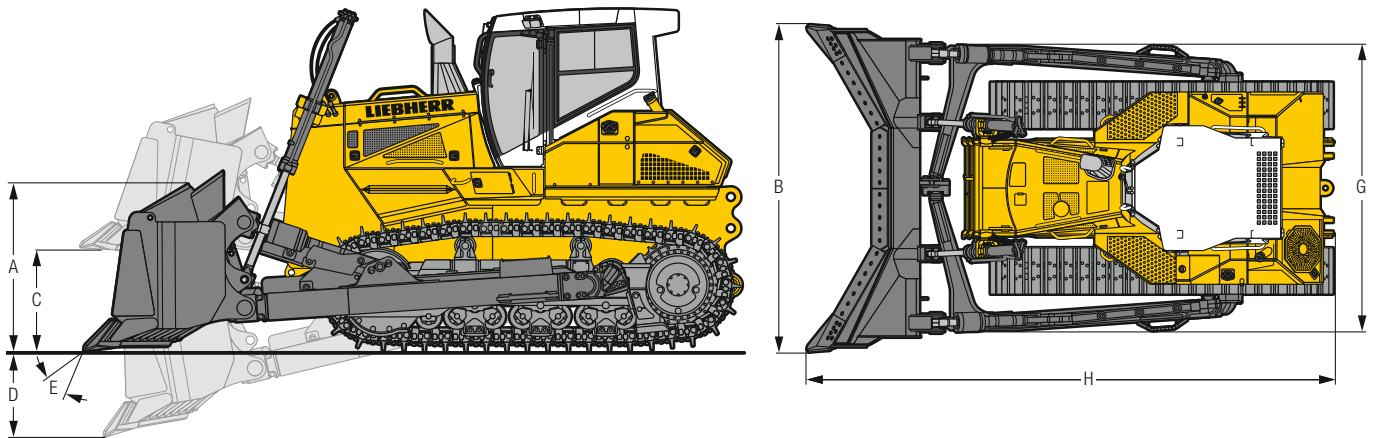
Undercarriage		Standard rigid bottom rollers	Standard bogie suspension	Standard oscillating idler double bogie suspension	LGP rigid bottom rollers
Blade capacity, ISO 9246	m ³	8.92		8.92	9.46
	yd ³	11.67		11.67	12.37
A Height of blade	mm	1,650		1,650	1,600
	ft in	5'5"		5'5"	5'3"
B Width of blade	mm	4,044		4,044	4,465
	ft in	13'3"		13'3"	14'8"
C Lifting height ³⁾	mm	1,372		1,381	1,403
	ft in	4'6"		4'6"	4'7"
D Digging depth ³⁾	mm	570		561	563
	ft in	1'10"		1'10"	1'10"
E Blade pitch adjustment Max. blade tilt	mm	993		993	481
	ft in	3'3"		1'10"	1'7"
G Width over push frame	mm	3,767		3,767	4,193
	ft in	12'4"		12'5"	13'9"
H Overall length	mm	6,449		6,449	6,452
	ft in	21'2"		21'2"	21'2"
F Track shoes 560 mm / 22"					
Operating weight ¹⁾	kg / lb	35,388 / 78,017	36,315 / 80,061	37,349 / 81,679	-
Ground pressure, ISO16754 ¹⁾	kg/cm ² / psi	0.87 / 12.37	0.89 / 12.66	0.90 / 12.8	-
F Track shoes 610 mm / 24"					
Operating weight ¹⁾	kg / lb	35,628 / 78,546	36,555 / 79,928	37,589 / 78,385	-
Ground pressure, ISO16754 ¹⁾	kg/cm ² / psi	0.80 / 11.38	0.82 / 11.66	0.83 / 11.8	-
F Track shoes 711 mm / 28"					
Operating weight ¹⁾	kg / lb	36,105 / 79,598	37,032 / 80,980	38,066 / 81,641	-
Ground pressure, ISO16754 ¹⁾	kg/cm ² / psi	0.70 / 9.96	0.71 / 10.1	0.72 / 10.24	-
F Track shoes 914 mm / 3"					
Operating weight ¹⁾	kg / lb	-	-	-	37,170 / 81,946
Ground pressure, ISO16754 ¹⁾	kg/cm ² / psi	-	-	-	0.56 / 7.96
F Track shoes 965 mm / 3'2"					
Operating weight ¹⁾	kg / lb	-	-	-	37,410 / 82,475
Ground pressure, ISO16754 ¹⁾	kg/cm ² / psi	-	-	-	0.53 / 7.54

¹⁾ Including coolant and lubricants, 100% fuel, ROPS / FOPS cab, semi-U blade, operator.

²⁾ Mechanical blade pitch adjustment.

³⁾ The indicated dimensions include the height of the grouser shoe.

Front attachments PR 756



U-Blade

Undercarriage		Standard rigid bottom rollers	Standard bogie suspension	Standard oscillating idler double bogie suspension
Blade capacity, ISO 9246	m ³	11.8		11.8
	yd ³	15.43		15.43
A Height of blade	mm	1,700		1,700
	ft in	5'7"		5'7"
B Width of blade	mm	4,281		4,281
	ft in	14'1"		14'1"
C Lifting height ²⁾	mm	1,361		1,370
	ft in	4'6"		4'6"
D Digging depth ²⁾	mm	565		556
	ft in	1'10"		1'10"
E Blade pitch adjustment		10°		10°
Max. blade tilt	mm	1,052		1,052
	ft in	3'5"		3'5"
G Width over push frame	mm	3,767		3,767
	ft in	12'4"		12'4"
H Overall length	mm	6,872		6,872
	ft in	22'7"		22'7"
F Track shoes 560 mm / 22"				
Operating weight ¹⁾	kg / lb	35,358 / 77,951	36,285 / 79,995	37,319 / 82,274
Ground pressure, ISO16754 ¹⁾	kg/cm ² / psi	0.87 / 12.37	0.89 / 12.66	0.90 / 12.80
F Track shoes 610 mm / 24"				
Operating weight ¹⁾	kg / lb	35,598 / 78,480	36,525 / 80,524	37,559 / 82,803
Ground pressure, ISO16754 ¹⁾	kg/cm ² / psi	0.80 / 11.38	0.82 / 11.66	0.83 / 11.80
F Track shoes 711 mm / 28"				
Operating weight ¹⁾	kg / lb	36,075 / 79,532	37,002 / 81,575	38,036 / 83,855
Ground pressure, ISO16754 ¹⁾	kg/cm ² / psi	0.68 / 9.67	0.71 / 10.1	0.72 / 10.24

¹⁾ Including coolant and lubricants, 100% fuel, ROPS/FOPS cab, U-Blade, operator.

²⁾ The indicated dimensions include the height of the grouser shoe.

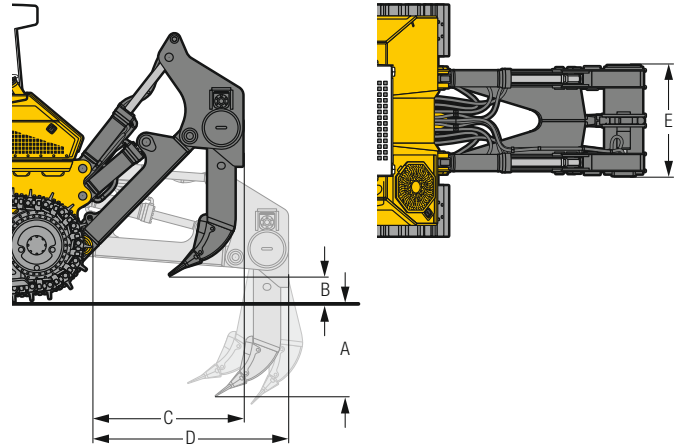
Rear attachments PR 756



1-Shank ripper

Parallelogram		hydraulic pitch adjustment	
A Ripping depth (max. / min.)	mm	1,203 / 423	
	ft in	3'11" / 1'5"	
B Lifting height (max. / min.)	mm	1,040 / 260	
	ft in	3'5" / 0'10"	
C Additional length, attachment raised	mm	1,820	
	ft in	6'	
D Additional length, attachment lowered	mm	2,373	
	ft in	7'9"	
E Overall beam width	mm	1,370	
	ft in	4'6"	
F Distance between shanks	mm		
	ft in	-	
Max. pitch adjustment		31°	
Max. penetration force	kN	123.9	
	lbf	27,854	
Max. pryout force	kN	208.8	
	lbf	46,940	
Weight	kg	3,638	
	lb	8,020	

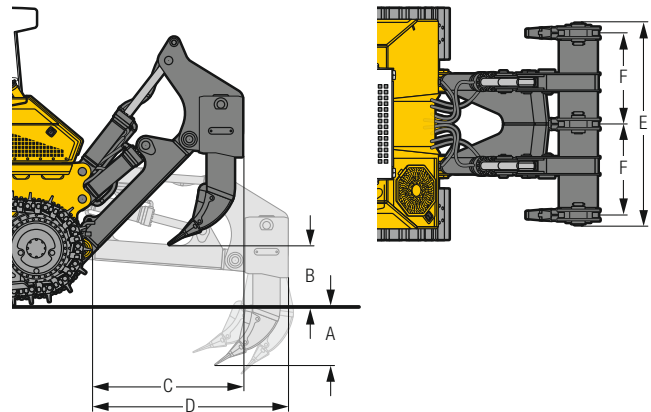
The indicated dimensions include the height of the grouser shoe.



3-Shank ripper

Parallelogram		hydraulic pitch adjustment	
A Ripping depth (max. / min.)	mm	796 / 481	
	ft in	2'7" / 1'7"	
B Lifting height (max. / min.)	mm	982 / 667	
	ft in	3'3" / 2'2"	
C Additional length, attachment raised	mm	1,820	
	ft in	6'	
D Additional length, attachment lowered	mm	2,373	
	ft in	7'9"	
E Overall beam width	mm	2,434	
	ft in	8'	
F Distance between shanks	mm	1,100	
	ft in	3'7"	
Max. pitch adjustment		31°	
Max. penetration force	kN	131.8	
	lbf	29,630	
Max. pryout force	kN	208.8	
	lbf	46,940	
Weight	kg	4,821	
	lb	10,628	

The indicated dimensions include the height of the grouser shoe.



Drawbar

		rigid	
A Additional length	mm	463	
	ft in	1'6"	
B Socket pin diameter	mm	60	
	ft in	2.36"	
C Height of jaw	mm	629	
	ft in	2'1"	
D Ground clearance	mm	506	
	ft in	1'8"	
Jaw opening	mm	105	
	ft in	4.13"	
Weight	kg	576	
	lb	1,270	

The indicated dimensions include the height of the grouser shoe.

