PR 746 Litronic

LIEBHERR

LIEBHERR

Crawler Tractors

Generation 8

Operating weight 25,900 – 31,500 kg 57,100 – 69,446 lb Engine output

74E

SAE J1349/ISO 9249 190 kW/254 HP 190 kW/258 HP Stage V/Stage IIIa Tier 4f

Technical data

Ľ 🛡 Engine Liebherr Diesel engine

| Liebherr Diesel engine | D 936 A7 Emission regulations according to 97/68/EC, 2004/26/EC stage V/stage IIIa, EPA/CARB Tier 4f |
|------------------------|--|
| Rated power (net) | |
| ISO 9249 | 190 kW / 258 HP |
| SAE J1349 | 190 kW / 254 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 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 | 2 x 180 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 |



Control valve Filter system Control

Hydraulics Hydraulic syste Pump type Pump flow, ma Pressure limita

| stem | Load sensing (demand-controlled) |
|--------|---|
| | Swash plate piston pump |
| lax. | 256 l/min. / 67.6 gpm / 56.3 Imp.gpm |
| tation | 260 bar / 3,770 psi |
| | 2 segments, expandable to 4 |
| | Return filter with magnetic rod in the hydraulic tank |
| | Single joystick for all blade functions |
| | |

Travel drive

| Transmission system | Infinitely variable hydrostatic travel drive, independent drive for each track |
|---------------------|---|
| Travel speed * | Continuously variable |
| Speed range 1: | 0 - 6.5 km/h/4.0 mph (forward & reverse) |
| Speed range 2: | 0 - 8.5 km/h/5.3 mph (forward & reverse) |
| Speed range 3: | 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 |

P Operator's cab

| Cab | Hydro-elastic mounted cab with positive pressure venti- lation, 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 | < 2.5 m/s ² , according with ISO 5349-1:2001 |
| Whole-body vibrations | 0.24 – 1.31 m/s², complies with technical report ISO/TR 25398:2006 |
| Measuring inaccuracy | According with standard EN 12096:1997 |

Undercarriage

| | L | LGP | | | |
|------------------------------|--|---|--|--|--|
| Design | Undercarriage with rigid bot | Undercarriage with rigid bottom rollers | | | |
| Mounting | Via separate pivot shafts and | d equalizer bar | | | |
| Track chains | Lubricated, single-grouser sl spring and grease tensioner | hoes, tensioning via steel | | | |
| Links, each side | 41 | 44 | | | |
| Track rollers, each side | 7 | 8 | | | |
| Carrier rollers, each side | 2 | 2 | | | |
| Sprocket segments, each side | 6 | 6 | | | |
| Track shoes, standard | 610 mm/24" | 812 mm/32" | | | |
| Track shoes, optional | 560 mm/22" 711 mm/28" | 914 mm/36" | | | |



Fuel tank Diesel Exhaust Fluid (DEF) tank¹⁾ Cooling system Engine oil, with filter Splitter box Hydraulic tank Final drive L, each side Final drive LGP, each side

505 l/133.3 gal/111.1 lmp.gal 56.5 l/14.9 gal/12.4 lmp.gal 49 l/12.9 gal/10.8 lmp.gal 43 l/11.4 gal/9.5 lmp.gal 8.5 l/2.2 gal/1.9 lmp.gal 112 l/29.6 gal/24.6 lmp.gal 17 l/4.5 gal/3.7 lmp.gal 18 l/4.8 gal/4.0 lmp.gal

¹⁾ only for stage V/Tier 4f

🖳 Drawbar pull

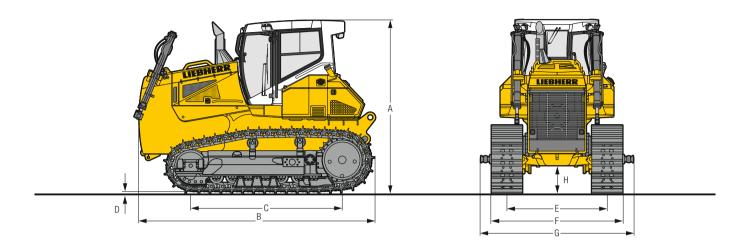
| Max. | 436 kN |
|---------------------|--------|
| at 1.5 km/h/0.9 mph | 385 kN |
| at 3.0 km/h/1.9 mph | 190 kN |
| at 6.0 km/h/3.7 mph | 95 kN |
| at 9.0 km/h/5.6 mph | 63 kN |

| A | | |
|----------|-------|--------|
| ŶĮ | 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) | 112 dB(A) |

112 dB(A)

Dimensions

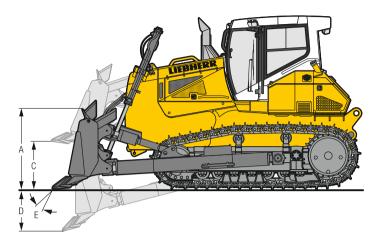


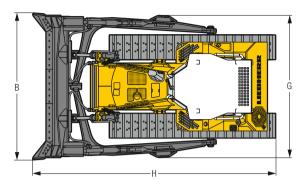
Dimensions

| A Height over cab mm ft in 3,435 11'3" 3,435 11'3" B Overall length without attachments mm ft in 4,671 15'4" 4,671 15'4" C Length of track on ground mm ft in 2,999 910" 3,323 10'11" D Height of grousers mm ft in 71.5 2.81" 71.5 2.81" H Ground clearance mm ft in 551 1'10" 551 1'10" | | | | |
|---|---------------------------------------|---------|---------------|---------------|
| ft in B Overall length without attachments ft in mm 113° 113° B Overall length without attachments mm 4,671 4,671 B Overall length without attachments mm 154° 154° C Length of track on ground mm 2,999 3,323 D Height of grousers mm 71.5 71.5 B Overall clearance mm 7551 71.5 F frack gauge mm 1,980 2,180 E Track gauge mm 66° 72° G Width over trunnions mm 66° 72° F Track shoes 560 mm / 22" mm/fin 910° 1110° F Track shoes 560 mm / 22" mm/fin 910° 1110° F Track shoes 560 mm / 24" - - - Width over tracks mm / ft in 910° - - F Track shoes 560 mm / 24" - - - - Width over tracks mm / ft in 2,590 / 86° - - F Track shoes 610 mm / 24" kg / b | Undercarriage | | L | LGP |
| B Overall length without attachments mm ft in 154" 4,671 154" C Length of track on ground mm m 2,999 3,323 D Height of grousers mm ft in 2,81" 2,999 3,323 H Ground clearance mm ft in 2,81" 2,81" 2,81" F Track gauge mm ft in 64" 110" 110" E Track gauge mm ft in 64" 3,000 3,600 F Track shoes 560 mm / 22" mm ft in 71" 910" - Width over tracks mm/ft in 71" 2,540/84" - - F Track shoes 560 mm / 22" - - - Width over tracks mm /ft in 71" 2,590/86" - - Width over tracks mm /ft in 71" 2,590/86" - - Width over tracks mm /ft in 71" 2,691/810" - - Width over tracks mm /ft in 71" 2,691/810" - - Track shoes 812 mm /32" mm /ft in 71" 2,992/910" | A Height over cab | mm | 3,435 | 3,435 |
| fin 154" 154" C Length of track on ground mm 2,999 3,323 C Length of track on ground mm 2,999 3,323 D Height of grousers mm 71.5 71.5 D Height of grousers mm 71.5 71.5 H Ground clearance mm 110" 110" E Track gauge mm 1,980 2,180 G Width over trunnions mm 3,000 3,600 Track shoes 560 mm / 22" mm/ft in 910" 1110" Width over tracks mm/ft in 2,540/84" - Vidth over tracks mm/ft in 2,590/86" - Track shoes 510 mm / 24" mm/ft in 2,590/86" - Width over tracks mm/ft in 2,691/810" - Track shoes 511 mm / 28" mm/ft in 2,691/810" - Track shoes 511 mm / 28" mm/ft in 2,691/810" - Track shoes 511 mm / 28" mm/ft in 2,691/810" - Track shoes 512 mm / 32" | | ft in | 11'3" | 11'3" |
| C Length of track on ground mm ft in 910" 2,999 3,323 10111" D Height of grousers mft in 10" 910" 10"11" D Height of grousers mft in 10" 2.81" 2.81" H Ground clearance mm ft in 10" 10"10" 10"10" E Track gauge mm 1,980 2,180 7.2" G Width over trunnions mm tin 910" 3,000 3,600 F Track shoes 560 mm / 22" mm/ft in 910" 910" 11"10" F Track shoes 500 mm / 22" mm/ft in 11"10" 2,540/84" - F Track shoes 510 mm / 24" mm/ft in 910" 2,540/84" - F Track shoes 510 mm / 24" mm/ft in 12,098/48,497 - - F Track shoes 510 mm / 24" mm/ft in 12,098/48,497 - - F Track shoes 511 mm / 28" mm/ft in 12,098/48,497 - - F Track shoes 511 mm / 28" mm/ft in 12,098/48,497 - - F Track shoes 511 mm / 28" mm/ft in 12,098/48,497 - - F Track shoes 812 mm / 52" mm/ft in 17"40" 2,092/910" | B Overall length without attachments | mm | 4,671 | 4,671 |
| ft in P Height of grousers ft in mm 9°10° 10°11" D Height of grousers mm 71.5 71.5 ft in 2.81" 2.81" H Ground clearance mm 551 551 ft in 1'10° 1'10° 1'10° E Track gauge mm 1,980 2,180 ft in 6'' 7'2" 7'' G Width over trunnions mm 3,000 3,600 ft in 9'10" 11'10" 11'10" F Track shoes 560 mm/22" mm/ft in 2,540/8'4" - Width over tracks mm/ft in 2,590/8'6" - Tractor shipping weight ¹⁰ kg/lb 21,998/48,497 - F Track shoes 510 mm/24" kg/lb 22,705/50,056 - F Track shoes 812 mm/32" mm/ft in 2,691/8'10" - F Track shoes 812 mm/32" mm/ft in 2,992/9'10" 22,769/50,056 F Track shoes 812 mm/32" mm/ft in - 2,992/9'10" Width over tracks mm/ft | | ft in | 15'4" | 15'4" |
| D Height of grousers mm 71.5 71.5 H Ground clearance mm 71.5 2.81" H Ground clearance mm 551 551 E Track gauge mm 1/980 2,180 E Track gauge mm 1,980 2,180 G Width over trunnions mm 66" 72" G Width over tracks mm/ft in 2,540/84" - F Track shoes 500 mm/22" Mm/ft in 2,540/84" - Width over tracks mm/ft in 2,540/84" - - F Track shoes 500 mm/24" Mm/ft in 2,590/86" - - F Track shoes 610 mm/24" Mm/ft in 2,691/810" - - F Track shoes 711 mm/28" Mm/ft in 2,691/810" - - F Track shoes 812 mm/32" Mm/ft in 2,691/810" - 2,992/910" F Track shoes 914 mm/36" Mm/ft in < | C Length of track on ground | | | |
| ft in H Ground clearance ft in mm 2.81" H Ground clearance mm 551 ft in 1'10" 1'10" E Track gauge ft in m 1'10" 1'10" E Track gauge ft in m 6'6" 7'2" G Width over trunnions mm 3,000 3,600 ft in 9'10" 11'10" 11'10" F Track shoes 560 mm / 22" mm/ft in 'Tractor shipping weight ¹⁰ kg /b 2,540/84" - Width over tracks mm /ft in 'Tractor shipping weight ¹⁰ kg /b 2,590/8'6" - F Track shoes 610 mm / 24" width over tracks mm /ft in 'Tractor shipping weight ¹⁰ kg /b 2,590/8'6" - F Track shoes 711 mm / 28" mm /ft in 'tractor shipping weight ¹⁰ kg /b 2,091/8'10" - F Track shoes 812 mm / 32" mm /ft in 'tractor shipping weight ¹⁰ kg /b 2,2705/50,056 - F Track shoes 914 mm / 35" mm /ft in 'tractor shipping weight ¹⁰ kg /b - 3,094/10"2" | | ft in | 9'10" | 10'11" |
| H Ground clearance mm 551 551 ft in 1'10" 1'10" E Tack gauge mm 1,980 2,180 G Width over trunnions mm 6'6" 7'2" F Tack shoes 560 mm/22" mm/ft in 910" 11'10" F Tack shoes 560 mm/22" mm/ft in 2,540/8'4" - Width over tracks mm/ft in 2,540/8'4" - F Tack shoes 500 mm/24" - - - Width over tracks mm/ft in 2,540/8'4" - - F Tack shoes 510 mm/24" - - - - Width over tracks mm/ft in 2,590/8'6" - - - F Tack shoes 711 mm /28" mm/ft in 2,691/8'10" - - - - Width over tracks mm/ft in 2,705/50,056 - - 2,992/9'10" 22,705/50,056 - - - - - - - - 2,992/9'10" 22,705/50,056 - - - - - - - - - - | D Height of grousers | | | |
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| E Track gauge mm ft in 6 Width over trunnions 1,980 ft in 7'2" 2,180 7'2" G Width over trunnions mm ft in 7'2" 3,600 3,600 ft in 7 track shoes 560 mm/22" mm/ft in 7'2" 3,000 3,600 Width over tracks mm/ft in Tractor shipping weight ¹⁰ kg/lb 2,540/8'4" - F Track shoes 610 mm/24" mm/ft in 7 tractor shipping weight ¹⁰ kg/lb 21,644/47,717 - F Track shoes 610 mm/24" mm/ft in 7 tractor shipping weight ¹⁰ kg/lb 21,990/8'6" - F Track shoes 711 mm/28" mm/ft in 7 tractor shipping weight ¹⁰ kg/lb 22,705/50,056 - F Track shoes 812 mm/32" mm/ft in 7 tractor shipping weight ¹⁰ kg/lb - 2,992/9'10" F Track shoes 914 mm/36" mm/ft in 7 tractor shipping weight ¹⁰ kg/lb - 2,992/9'10" F Track shoes 914 mm/36" mm/ft in - 3,094/10'2" 22,769/50,197 | H Ground clearance | | | |
| ft in G Width over trunnions ft in mm 6'6" 7'2" G Width over trunnions mm 3,000 3,600 ft in 9'10" 11'10" F Track shoes 560 mm/22" mm/ft in 2,540/8'4" - Width over tracks mm/ft in 2,540/8'4" - Tractor shipping weight ¹⁰ kg/lb 21,644/47,717 - F Track shoes 610 mm/24" mm/ft in 2,590/8'6" - Width over tracks mm/ft in 2,590/8'6" - Tractor shipping weight ¹⁰ kg/lb 21,998/48,497 - Width over tracks mm/ft in 2,691/8'10" - Width over tracks mm/ft in 2,691/8'10" - Tractor shipping weight ¹⁰ kg/lb 22,705/50,056 - F Track shoes 914 mm/36" mm/ft in 2,992/9'10" 22,769/50,197 F Track shoes 914 mm/36" mm/ft in - 3,094/10'2" | | ft in | 1'10" | - |
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| Tractor shipping weight ¹⁾ kg / kg 21,644/47,717 F Track shoes 610 mm / 24" Width over tracks mm / ft in Tractor shipping weight ¹⁾ kg / kg 2,590/8'6" - F Track shoes 711 mm / 28" Width over tracks mm / ft in Tractor shipping weight ¹⁾ kg / kg 2,691/8'10" - F Track shoes 711 mm / 28" Width over tracks mm / ft in Tractor shipping weight ¹⁰ kg / kg 2,691/8'10" - F Track shoes 812 mm / 32" Width over tracks mm / ft in Tractor shipping weight ¹⁰ kg / kg - - F Track shoes 914 mm / 36" Width over tracks mm / ft in Tractor shipping weight ¹⁰ mm / ft in - 2,992/9'10" F Track shoes 914 mm / 36" Width over tracks mm / ft in - 3,094/10'2" | · · · · · · · · · · · · · · · · · · · | | | |
| F Track shoes 610 mm/24" mm/ft in 2,590/8'6" - Width over tracks mm/ft in 2,590/8'6" - - Tractor shipping weight ¹⁰ kg/lb 21,998/48,497 - - F Track shoes 711 mm/28" mm/ft in 2,691/8'10" - - Width over tracks mm/ft in 2,691/8'10" - - - F Tractor shipping weight ¹⁰ kg/lb 22,705/50,056 - - F Track shoes 812 mm/32" mm/ft in - 2,992/9'10" - Width over tracks mm/ft in - 2,2769/50,197 22,769/50,197 F Track shoes 914 mm/36" mm/ft in - 3,094/10'2" | | | | - |
| Width over tracks mm/ft in Tractor shipping weight ¹¹ mm/ft in kg/lb 2,590/8'6" - F Track shoes 711 mm/28" mm/ft in Tractor shipping weight ¹¹ kg/lb 21,998/48,497 - F Track shoes 711 mm/28" mm/ft in Tractor shipping weight ¹¹ kg/lb 2,691/8'10" - F Tracts shoes 812 mm/32" mm/ft in Tractor shipping weight ¹¹ kg/lb 22,705/50,056 - F Track shoes 812 mm/32" mm/ft in Tractor shipping weight ¹¹ - 2,992/9'10" Width over tracks mm/ft in Tractor shipping weight ¹¹ kg/lb - 22,769/50,197 F Track shoes 914 mm/36" mm/ft in - 3,094/10'2" | | kg/lb | 21,644/47,717 | |
| Tractor shipping weight ¹¹ kg/lb 21,998/48,497 F Track shoes 711 mm/28" | · · · · · · · · · | | | |
| F Track shoes 711 mm/28" mm/ft in 2,691/8'10" - Width over tracks mm/ft in 2,691/8'10" - - Tractor shipping weight ¹⁰ kg/lb 22,705/50,056 - - F Track shoes 812 mm/32" - - 2,992/9'10" - Width over tracks mm/ft in - 2,992/9'10" 22,769/50,197 F Track shoes 914 mm/36" - 3,094/10'2" | | | | - |
| Width over tracks mm/ftin 2,691/8'10" - Tractor shipping weight ¹⁰ kg/lb 22,705/50,056 - F Track shoes 812 mm/32" - - 2,992/9'10" Width over tracks mm/ftin - 2,992/9'10" Tractor shipping weight ¹⁰ kg/lb 22,769/50,197 F Track shoes 914 mm/36" - 3,094/10'2" | | kg/lb | 21,998/48,497 | |
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| F Track shoes 812 mm/32" mm/ftin Width over tracks mm/ftin Tractor shipping weight ¹¹ kg/lb F Track shoes 914 mm/36" | | | | - |
| Width over tracks mm/ft in Tractor shipping weight ¹¹ - 2,992/9'10" 22,769/50,197 F Track shoes 914 mm/36" Width over tracks mm/ft in - 3,094/10'2" | | kg/lb | 22,705/50,056 | |
| Tractor shipping weight ¹¹ kg/lb 22,769/50,197 F Track shoes 914 mm/36" - 3,094/10'2" | • • • • • • | | | |
| F Track shoes 914 mm/36" mm/ft in - 3,094/10'2" | | | - | |
| Width over tracks mm/ft in - 3,094/10'2" | | kg / lb | | 22,/69/50,19/ |
| | · · · · · · · · · · · · · · · · · · · | (0) | | 7.00/ (3.010) |
| iractor snipping weight " kg / ib 23,544 / 51,465 | | | - | |
| | Iractor shipping weight ¹⁾ | kg/lb | | 23,344/51,465 |

 $^{\rm 1)}$ Including coolant and lubricants, 20 % fuel, ROPS / FOPS cab.

Front attachments





Semi-U-Blade, mechanical angle blade and straight blade

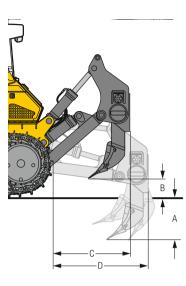
| | | Semi-U blade | Mechanical angle blade ²⁾ | Straight blade ²⁾ |
|---|-----------------|---------------|--------------------------------------|------------------------------|
| Undercarriage | | L | L | LGP |
| Blade capacity, ISO 9246 | m ³ | 7.20 | 4.33 | 6.00 |
| | yd ³ | 9.42 | 5.67 | 7.85 |
| A Height of blade | mm | 1,544 | 1,130 | 1,320 |
| | ft in | 5'1" | 3'8" | 4'4" |
| B Width of blade | mm | 3,690 | 4,620 | 4,518 |
| | ft in | 12'1" | 15'2" | 14'10" |
| Width of blade, angled | mm | | 4,198 | |
| | ft in | - | 3'8" | - |
| C Lifting height | mm | 1,315 | 1,289 | 1,256 |
| | ft in | 4'1" | 4'3" | 4'1" |
| D Digging depth | mm | 444 | 554 | 539 |
| | ft in | 1'5" | 1'9" | 1'9" |
| E Blade pitch adjustment | | 10° | - | 10° |
| Blade angle adjustment | | - | 25° | - |
| Max. blade tilt | mm | 462 | 672 | 466 |
| | ft in | 1'6" | 2'2" | 1'6" |
| G Width over push frame | mm | 3,443 | 3,394 | 4,034 |
| | ft in | 11'4" | 11'2" | 13'3" |
| 1 Overall length, blade straight | mm | 6,119 | 6,003 | 5,945 |
| | ft in | 20'1" | 19'8" | 19'6" |
| Overall length, blade angled | mm | | 6,919 | |
| | ft in | - | 22'8" | - |
| F Track shoes 560 mm / 22" | | | | |
| Operating weight 1) | kg/lb | 25,886/57,069 | 26,018/57,360 | - |
| Ground pressure, ISO16754 ¹⁾ | kg/cm²/psi | 0.67/9.53 | 0.68/9.67 | |
| F Track shoes 610 mm/24" | | | | |
| Operating weight 1) | kg/lb | 26,240/57,849 | 26,372/58,140 | - |
| Ground pressure, ISO16754 ¹⁾ | kg/cm²/psi | 0.63/8.96 | 0.63/8.96 | |
| F Track shoes 711 mm/28" | | | | |
| Operating weight 1) | kg/lb | 26,947/59,408 | 27,079/59,699 | - |
| Ground pressure, ISO16754 ¹⁾ | kg/cm²/psi | 0.55/7.82 | 0.56/7.97 | |
| Track shoes 812 mm / 32" | | | | |
| Operating weight 1) | kg/lb | - | - | 27,257/60,091 |
| Ground pressure, ISO16754 ¹⁾ | kg/cm²/psi | | | 0.45/6.4 |
| F Track shoes 914 mm/36" | | | | |
| Operating weight 1) | kg/lb | - | - | 27,832/61,359 |
| Ground pressure, ISO16754 ¹⁾ | kg/cm²/psi | | | 0.40/5.69 |

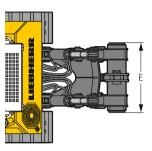
Including coolant and lubricants, 100% fuel, ROPS / FOPS cab, operator, Semi-U-, Mechanical Angle- or Straight Blade.
Rear equipment or counterweight is recommended.

Rear attachments

🖇 1-Shank ripper

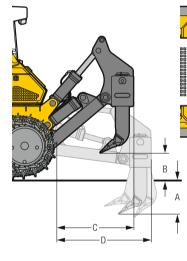
| Parallelogram | | hudroulia nitah adiuatmant |
|---|-------|----------------------------|
| | | hydraulic pitch adjustment |
| A Ripping depth (max./min.) | mm | 829/499 |
| | ft in | 2'9"/1'8" |
| B Lifting height (max. / min.) | mm | 709/379 |
| | ft in | 2'4"/1'3" |
| C Additional length, attachment raised | mm | 1,509 |
| | ft in | 4'11" |
| D Additional length, attachment lowered | mm | 1,876 |
| | ft in | 6'2" |
| E Overall beam width | mm | 1,360 |
| | ft in | 4'6" |
| F Distance between shanks | mm | |
| | ft in | - |
| Max. pitch adjustment | | 25° |
| Weight | kg | 2,730 |
| | lb | 6,019 |
| | | |

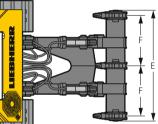




3-Shank ripper

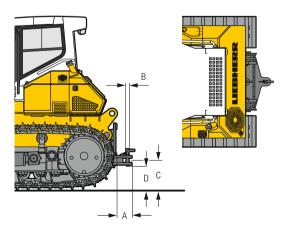
| Parallelogram | | standard | hydraulic pitch adjustment |
|---|-------|-----------|----------------------------------|
| A Ripping depth (max./min.) | mm | 672/372 | 672/372 |
| | ft in | 2'2"/1'3" | 2'2"/1'3" |
| B Lifting height (max. / min.) | mm | 830/532 | 836/536 |
| | ft in | 2'9"/1'9" | 2'5"/1'9" |
| C Additional length, attachment raised | mm | 1,511 | 1,494 |
| | ft in | 4'11" | 4'11" |
| D Additional length, attachment lowered | mm | 1,862 | 1,861 |
| | ft in | 6'1" | 6'1" |
| E Overall beam width | mm | 2,184 | 2,184 |
| | ft in | 7'2" | 7'2" |
| F Distance between shanks | mm | 1,000 | 1,000 |
| | ft in | 3'3" | 3'3" |
| Max. pitch adjustment | | - | 25° |
| Weight | kg | 3,323 | 3,334 |
| | lb | 7,326 | 7,350 |





Drawbar

| | | rigid | |
|-----------------------|-------|-------|--|
| A Additional length | mm | 469 | |
| | ft in | 1'6" | |
| B Socket pin diameter | mm | 50 | |
| | ft in | 1.97" | |
| C Height of jaw | mm | 598 | |
| | ft in | 2' | |
| D Ground clearance | mm | 490 | |
| | ft in | 1'7" | |
| Jaw opening | mm | 95 | |
| | ft in | 3.74" | |
| Weight | kg | 431 | |
| | lb | 950 | |
| | | | |



Equipment

🚟 Base machine

| Additional handle on treadplate | ٠ |
|---|----|
| Air filter with automatic dust ejector | ٠ |
| Air filter, dry type, dual step, with pre-filter | ٠ |
| Air pre-cleaner Sy-Klone | + |
| Air pre-cleaner Top Air | + |
| Auto Idle | + |
| Automatic blade stabilization + inclination control | 2] |
| Automatic engine shut-off | + |
| Battery compartment, lockable | ٠ |
| Coal arrangement | + |
| Cold environment arrangement | + |
| Cooling fan, front hinged | ٠ |
| Cooling fan, hydraulically driven | ٠ |
| Cooling fan, rear hinged | ٠ |
| Cooling fan, reversible | + |
| DEF tank lockable | ٠ |
| Engine compartment doors, lockable | ٠ |
| Engine compartment lighting | ٠ |
| Forestry arrangement | + |
| Fuel pre-filter | ٠ |
| Fuel pre-filter, with electric heater | + |
| Fuel water separator | ٠ |
| Fuel water separator, with electric heater | + |
| Grade control ready kit | 1) |
| Landfill arrangement | + |
| LiDAT – Data transmission system | ٠ |
| Liebherr diesel engine emission stage V/Tier 4f | ٠ |
| Liebherr hydraulic oil, biologically degradable | + |
| Radiator guard, hinged | ٠ |
| Radiator, wide-meshed | ٠ |
| Refuelling pump, electric | + |
| Spade with mounting bracket | + |
| Special paint scheme | + |
| Tool kit, basic | ٠ |
| Tool kit, extended | + |
| Towing hitch rear | ٠ |
| Towing lug front | ٠ |
| Woodchip arrangement | + |

Hydraulics system

| Automatic lifting of the ripper into the parking position | • |
|---|---|
| Blade float function | • |
| Blade quick drop function | • |
| Blade shake feature | • |
| Electronic pilot control of the working hydraulics | • |
| Hydraulic kit for ripper | + |
| Hydraulic kit for winch | + |
| Load-Sensing control block and gear pump | • |
| Oil filter in hydraulic tank | • |

Travel drive

| Emergency stop | • |
|-------------------------------------|---|
| Final drives planetary gear | • |
| Inching brake pedal | + |
| Load limit control, electronic | • |
| Machine-release switch | • |
| Parking brake, automatic | • |
| Seat contact switch | • |
| Travel control, 3 speed ranges | • |
| Travel drive joystick, detented | + |
| Travel drive joystick, proportional | ٠ |
| Travel drive, hydrostatic | • |
| | |

P Operator's cab

| Access and exit step lighting | 2) |
|--|----|
| Armrests 3D adjustable | • |
| Automatic climate control | • |
| Cab heating | • |
| Coat hook | • |
| Dome light LED | • |
| Dust filter system pressurised | + |
| Extension of cab door footstep | + |
| Fire extinguisher | + |
| Foot support on front console | + |
| Joysticks, longitudinally adjustable | • |
| Noise-absorbing cab mounts | • |
| Operator's seat Comfort, air-suspended | • |
| Operator's seat Premium, air-suspended | + |
| Pressurised cab | • |
| Protective grid for rear window | + |
| Radio | + |
| Radio preparation kit | + |
| Rear-view camera | + |
| Rear-view mirror, inside | • |
| Rear-view mirrors, external | + |
| ROPS / FOPS integrated | • |
| Safety glass | • |
| Sliding window left | + |
| Sliding window right | + |
| Socket 12 V + 24 V | • |
| Storage nets | + |
| Stowage compartment, air-conditioned | • |
| Sun visor, front | + |
| Tiltable cab | • |
| Touch-controlled colour display | • |
| Warm water heating | + |
| Windshield washer system | • |
| Windshield wipers front, rear, doors, with intermittent function | • |

• = Standard + = Option ¹⁾ on demand at your dealer ²⁾ Standard for stage V / Tier4f, Optional for stage IIIA

Equipment

Electrical system

| 1 additional working light on each lift cylinder | + |
|--|---|
| 1 working light on each lift cylinder | • |
| 2 additional working light on the cab, rear | + |
| 2 batteries cold start | • |
| 2 working lights on the cab, rear | • |
| 4 working light on the cab, front | • |
| All working lights in LED version | + |
| Back-up alarm with broadband signal | + |
| Back-up alarm with broadband singal and visual | + |
| Back-up alarm, acoustic | + |
| Back-up alarm, acoustic and visual | + |
| Battery main switch | • |
| Battery main switch, lockable | + |
| Beacon | + |
| Horn | • |
| Immobiliser, electronic | + |
| On-board voltage 24 V | • |
| | |

Undercarriage

| | 1 |
|---|----|
| Master link, two-piece | • |
| Sprocket segments with recesses | + |
| Sprocket segments, bolted | • |
| Track frame, closed | • |
| Track guard, full length | + |
| Track guide centre part | + |
| Track guide, front and rear | • |
| Track pads with mud holes | 1) |
| Track shoes, moderate service | • |
| Tracks, oil-lubricated | • |
| Undercarriage L | + |
| Undercarriage LGP | + |
| Undercarriage with rigid bottom rollers | • |

Attachments front

| Hydraulic pitch angle adjustment | + |
|----------------------------------|----|
| Mechanical angle blade | + |
| Semi-U blade | + |
| Spill plate | + |
| Straight blade | + |
| Trash rack | + |
| U blade | 1) |
| Wear plates on push frame | + |
| Wear plates on semi-U blade | + |

Attachments rear

| Counterweight, rear (3,200 kg / 7,055 lb) | + |
|---|---|
| Drawbar rear, rigid | + |
| Mounting plate for third-party equipment | + |
| Ripper, 1 shank | + |
| Ripper, 3 shank | + |
| Winch | + |

• = Standard

+ = Option

¹⁾ on demand at your dealer

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

Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with exhaust system.
- Do not idle the engine except as necessary.
- For more information go to www.P65warnings.ca.gov/diesel.



This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

All illustrations and data may differ from the standard version. Subject to change without notice. RG-BK \land LWT/VM-12287262-web-03.22_enGB-US

Liebherr-Werk Telfs GmbH

Hans-Liebherr-Straße 35 · 6410 Telfs, Austria · Phone +43 50809 6-100 · Fax +43 50809 6-7772 lwt.marketing@liebherr.com · www.liebherr.com · www.facebook.com/LiebherrConstruction