



# BACKHOE LOADER

## TLB840

## SPECIFICATIONS

### ENGINE

Perkins 1204E-E44TA Tier 4i  
 - Wastegate turbocharger  
 - Charge air cooling  
 - Torque rise 32%  
 - Electronic fuel injection

Cylinders	4
Capacity	269 in <sup>3</sup>   4.4 L
Rated speed	2200 rpm
Gross power @ 2200 rpm cert.rating to UN/ECE R120	93.8 hp   70 kW
Derived net rating @ 2200 rpm to ISO/80/1269/EC	88.1* hp   65.7* kW
Max Torque @ 1400 rpm UN/ECE R120 80/1269/EC	295* lb.ft   400* Nm 278* lb.ft   377* Nm

\* Nominal Non-certified Values

### ELECTRICAL

Wiring and connectors meet IP69 standard

Maintenance free battery

12 volt negative ground

Battery isolator

Jump start posts

120 amp alternator

Blade type fuses

110 A/hr single battery with 920 CCA - EN Standard

170 A/hr dual batteries with 1600 CCA - EN Standard

### CAPACITIES

Fuel tank	30.8 gal   140 L
Engine coolant	3.5 gal   16.0 L
Engine oil (including filter)	1.9 gal   8.5 L
Servo Power Synchro Transmission	3.3 gal   15.0 L
Rear axle (including final drives)	3.4 gal   15.5 L
Front axle (including final drives)	2.1 gal   9.5 L
Hydraulic tank	20.4 gal   92.0 L

### AXLES AND BRAKES

Outboard planetary final drives for easier servicing  
 Foot operated differential lock with 100% lockup  
 16° front axle oscillation to maintain maximum ground contact and traction  
 High capacity outboard mounted wet disc brakes  
 Self equalizing and self adjusting  
 Selectable 2 or 4 wheel braking

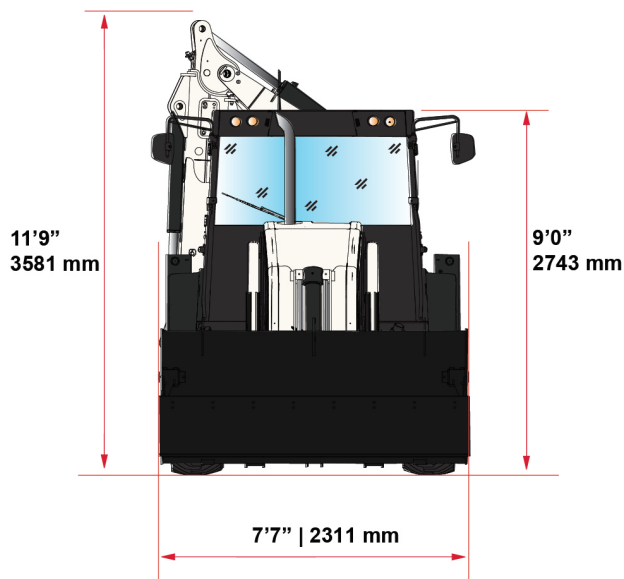
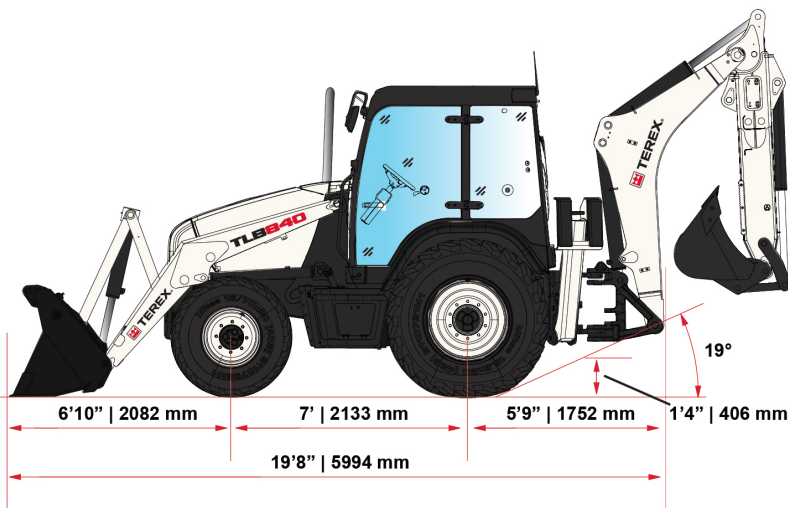
Axle Ratings	Max Static Loading	Max Dynamic Loading
Front	50602 lb   225 kN	20259 lb   90 kN
Rear	42169 lb   187.5 kN	16867 lb   75 kN

### OPERATING WEIGHTS

Base Machine Weight	18106 lbs   8230 kg
Add/Delete	
7 in 1 multi-purpose	+ 728 lbs   330 kg
7 in 1 multi-purpose fork kit	+ 330 lbs   150 kg
Front counterweight	+ 92 lbs   42 kg

Base operating weight includes cab, standard loader bucket, standard dipper stick, 24 in | 609 mm bucket, full fuel tank and 165 lb | 75 kg operator.

### DIMENSIONS



### HYDRAULIC SYSTEM

- Tandem gear pumps with unloader valve
- Closed center control valves (Servo Controls)
- Open center control valves (Mechanical Controls)
- Manually activated pump flows
- Power boost to match digging power and speed to application
- External oil level gauge
- Removable oil cooler
- 125 micron suction strainer
- 10 micron return line filter

Main pump flow @ 2200 rpm	21 gpm   79.5 L/min
Secondary pump flow @ 2200 rpm	16.5 gpm   62.5 L/min
System main relief setting	3625 psi   250 bar
Unloader settings bar	3000 psi   207 bar

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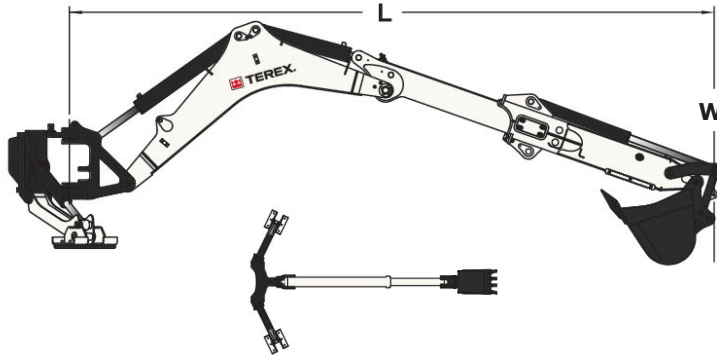


# TEREX®

# BACKHOE LOADER

## TLB840

### EXTENDABLE DIPPER

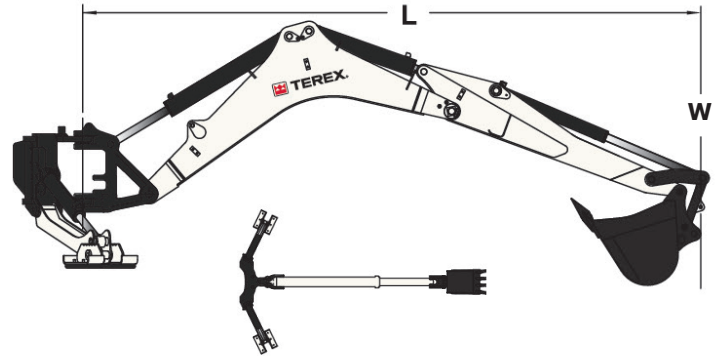


9'3"	12'2"	14'1"	18'0"	17'0"	18'6"
2.8 m	3.7 m	4.3 m	4.8 m	5.2 m	5.8 m
2555 lb	2136 lb	2087 lb	2076 lb	2037 lb	1968 lb
1159 kg	969 kg	947 kg	942 kg	924 kg	893 kg



9' 2"	12' 1"	14' 1"	15' 6"	17"	19"
2.8 m	3.7 m	4.3 m	4.8 m	5.2 m	5.8 m
2555 lb	2136 lb	1675 lb	1298 lb	1100 lb	917 lb
1159 kg	969 kg	760 kg	589 kg	499 kg	416 kg

### STANDARD DIPPER



9'3"	12'0"	13'6"	14'6"	16'0"
2.8 m	3.6 m	4.1 m	4.4 m	4.8 m
3018 lb	2943 lb	2965 lb	3024 lb	3201 lb
1369 kg	1335 kg	1345 kg	1372 kg	1452 kg



9' 3"	11' 7"	13' 6"	14' 3"	15' 6"
2.8 m	3.6 m	4.1 m	4.4 m	4.8 m
3018 lb	2943 lb	2253 lb	1931 lb	1706 lb
1369 kg	1335 kg	1022 kg	876 kg	774 kg

### BACKHOE PERFORMANCE

	Retracted	Extended
	HD Bucket	HD Bucket
Max slew torque	18675 lbf-ft	18675 lbf-ft
Dipper tearout kN (lbf) (SAE J49 Standard)	7961 lbf   35.4 kN	5892 lbf   26.3 kN
Bucket tearout kN (lbf) (SAE J49 Standard)	11807 lbf   52.5 kN	11807 lbf   52.5 kN
Speed Dig		
Power Dig	13516 lbf   60.1 kN	13516 lbf   60.1 kN

### LOADER PERFORMANCE

	Standard Bucket	7 in 1 Bucket
Bucket breakout	10485 lbf   46.5 kN	10097 lbf   44.8 kN
Arms breakout	10329 lbf   46.0 kN	9597 lbf   42.3 kN
Lift capacity to full height	7291 lbs   3307 kg	6563 lbs   2977 kg

Loader specifications are stated in accordance with ISO 14397 and EN474 Part 4

### TURNING CIRCLES

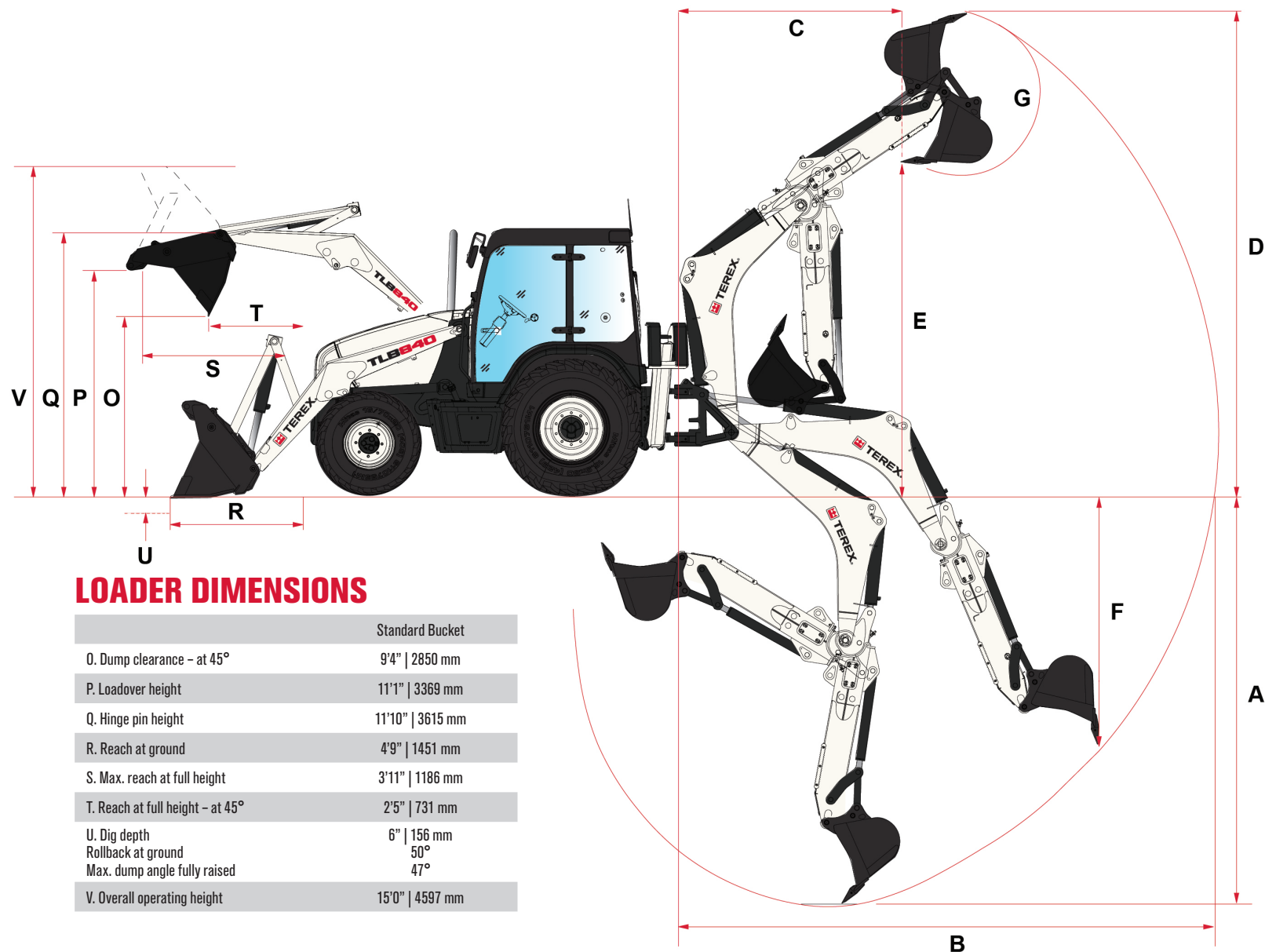
	Over tires	Over bucket
Without brakes	25'9"   7.9 m	34'7"   10.6 m
With brakes	23'0"   7.0 m	31'10"   9.7 m
Depending on tire size		

### BACKHOE BUCKETS

Bucket	Width	Capacity	Weight
Heavy duty	12 in   305 mm	2.96 ft <sup>3</sup>   0.084 m <sup>3</sup>	247 lbs   112 kg
	18 in   450 mm	4.96 ft <sup>3</sup>   0.140 m <sup>3</sup>	282 lbs   128 kg
	24 in   600 mm	7.15 ft <sup>3</sup>   0.203 m <sup>3</sup>	335 lbs   152 kg
	30 in   750 mm	9.38 ft <sup>3</sup>   0.266 m <sup>3</sup>	383 lbs   174 kg
	36 in   900 mm	11.66 ft <sup>3</sup>   0.330 m <sup>3</sup>	436 lbs   198 kg

### LOADER BUCKETS

	Standard Bucket	7 in 1 Bucket
Width	7.7 ft   2311 mm	7.7 ft   2311 mm
Capacity	1.32 yd <sup>3</sup>   1.0 m <sup>3</sup>	1.32 yd <sup>3</sup>   1.0 m <sup>3</sup>
Weight	880 lbs   400 kg	1606 lbs   730 kg



## LOADER DIMENSIONS

	Standard Bucket
O. Dump clearance - at 45°	9'4"   2850 mm
P. Loadover height	11'1"   3369 mm
Q. Hinge pin height	11'10"   3615 mm
R. Reach at ground	4'9"   1451 mm
S. Max. reach at full height	3'11"   1186 mm
T. Reach at full height - at 45°	2'5"   731 mm
U. Dig depth	6"   156 mm
Rollback at ground	50°
Max. dump angle fully raised	47°
V. Overall operating height	15'0"   4597 mm

## BACKHOE DIMENSIONS

		Deep Dig Dipper	
		Retracted	Extended
A. Dig depth	Maximum SAE	14'4"   4371 mm	17'8"   5390 mm
	Flat Bottom SAE	14'2"   4324 mm	17'6"   5344 mm
B. Reach - ground level to		18'9"   5703 mm	21'10"   6666 mm
C. Loading reach		7'6"   2280 mm	10'3"   3120 mm
D. Operating height		17'1"   5211 mm	19'0"   5794 mm
E. Loading height SAE		11'11"   3635 mm	13'10"   4215 mm
	Max dumping height	11'4"   3465 mm	13'3"   4044 mm
F. Maximum straight wall dig depth		8'10"   2685 mm	11'11"   3635 mm
G. Bucket rotation degrees	Speed	196°	196°
	Power	166°	166°
Total sideshift		3'10"   1178 mm	3'10"   1178 mm
Stabiliser spread		6'11"   2115 mm	6'11"   2115 mm
Max. Levelling angle degrees		8°	8°

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# BACKHOE LOADER TLB840

## TRANSMISSION

- 4 speed synchro shuttle gearbox
- Modulated forward and reverse clutch packs enable smooth direction changes
- De-clutch button on shift lever
- Direction control with neutral safety interlock
- Single stage torque converter with 3.01:1 stall ratio

Tires  
Front: 12.5 x 18  
Rear: 19.5 x 24

Travel Speeds	
Forward/Reverse	
1st	3.6 mph   5.7 Km/h
2nd	5.7 mph   9.2 Km/h
3rd	12.6 mph   20.3 Km/h
4th	25.1 mph   40.5 Km/h

- 4 speed servo power synchro
- Automatic and manual shifting in all 4 gears
- Push button kickdown and kick up in 1st and 2nd gear
- Auto drop down from 4th to 3rd and back
- Single stage torque convertor with 3.01:1 stall ratio

Tires  
Front: 12.5 x 18  
Rear: 19.5 x 24

Travel Speeds	
Forward	
1st	3.6 mph   5.7 Km/h
2nd	5.7 mph   9.2 Km/h
3rd	12.6 mph   20.3 Km/h
4th	25.1 mph   40.5 Km/h
Reverse	
1st	3.6 mph   5.7 Km/h
2nd	5.7 mph   9.2 Km/h
3rd	12.6 mph   20.3 Km/h

## OPTIONAL EQUIPMENT

Loader Options	Pallet Forks with Safe Working Load of 2205 lbs (1000 kgs)
	Hose Burst Valves
	Mechanical Quick Attach
	Ride Control
Backhoe Options	Hydraulic and Mechanical Quick Attach
	Two Auxiliary Circuits with Single and Double Acting Operation
	Excavator Buckets with Wide Variety of Sizes & Configurations
	Object Handling Kit*
ROPS Canopy Option	3 in   76.2 mm Seat Belt
Cab Options	Air Conditioning 22432 btu/hr (6.57 kW cooling)
	Premium High Back Seat, Heated with Air Suspension
General Options	Front Fenders

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