

NEW TLB840 BACKHOE LOADER SIDESHIFT MODEL

BREAKING NEW GROUND.





Courtesy of Machine.Market

TLBBQD

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Jon Beckley Global Product Manager – Backhoe Loader

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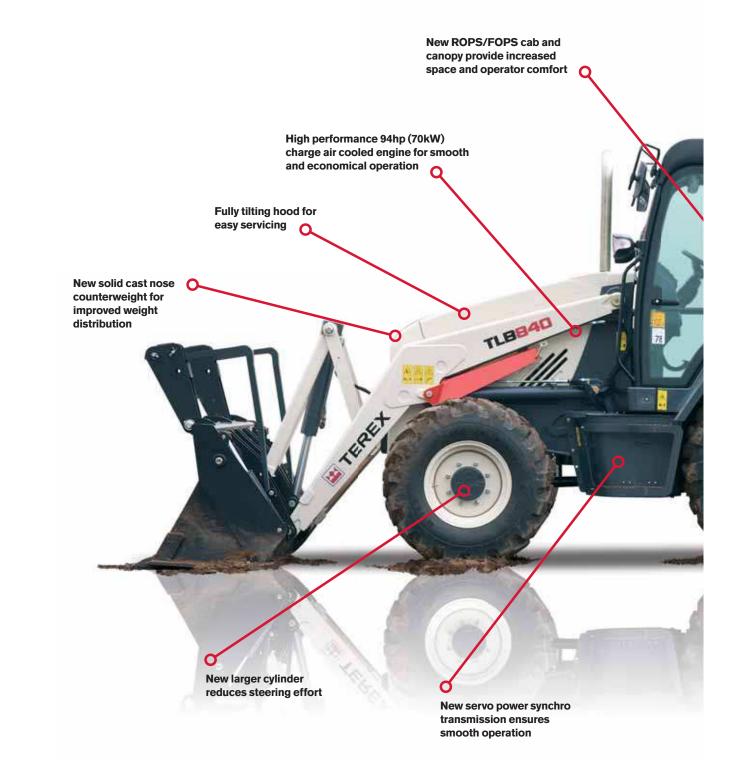
THE NEXT GENERATION.

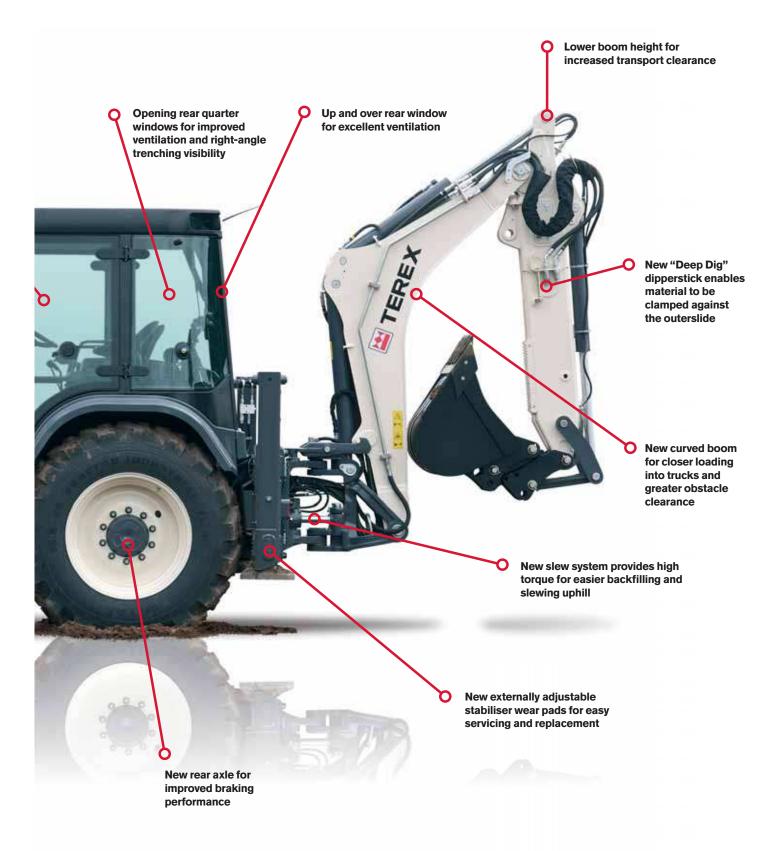
Meet the new Terex® TLB840

With 50 years of backhoe expertise, we're proud to present the 9th generation backhoe, our most versatile, innovative and efficient backhoe loader yet... designed around you and your work. Discover the new spacious ergonomic cab re-styled for greater comfort and productivity. Experience the excellent levels of reach and dig depth delivered by the superb new curved boom. Maximise your productivity and profitability with pilot operated excavator controls and the new servo power synchro transmission providing outstanding power and manouverability. Enjoy effortless command at the controls on even your most demanding job site. The Terex® TLB840 is a high performance backhoe loader whether digging, reaching, lifting or loading.

We asked what you wanted - we built it -now, let's get to work together...

DESIGNED TO GET Your Job Done.





BUILT AROUND YOU.

Focused on the operator

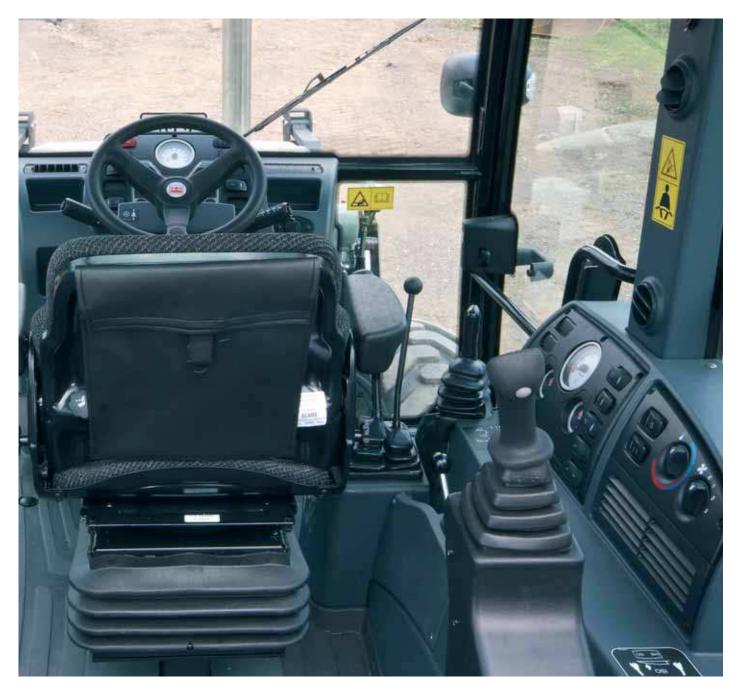
Step into the cab of the new Terex[®] TLB840 and you'll see why it's a triumph of form and functionality. Our new ergonomic cab is designed for closer interaction between operator and machine for increased productivity and rate of return.

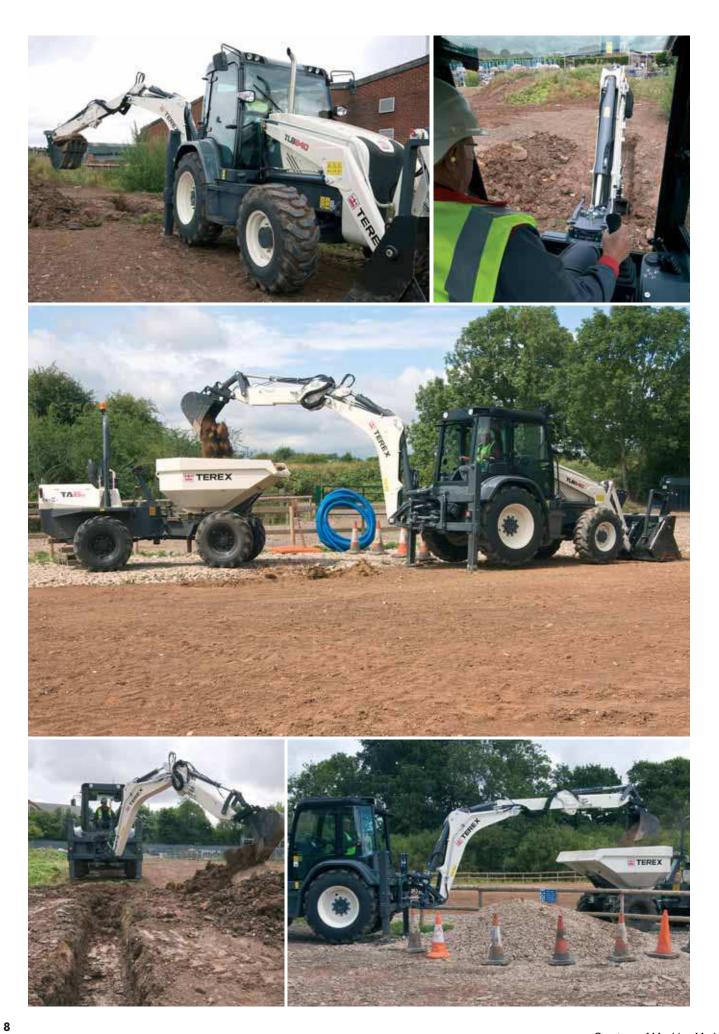
Behind the wheel or at the controls, the operator sits in a comfortable environment thanks to the increased floor space, upgraded heating and ventilation, and high performance air conditioning unit.

- Superb visibility for improved driver comfort and productivity
- Mechanical suspension seat with lumbar support and flip up arm rests for maximum comfort
- > Tilt and telescopic steering wheel for optimum driving comfort
- Cab and canopy comply with ROPS / FOPS standard
- Full depth rear window incorporating 'up and over design'
- Opening rear quarter windows for improved ventilation and right angle visibility when trenching
- Premium seat option with air suspension and heated cushion/back









A BOOM FOR Your business.

Reaching new heights

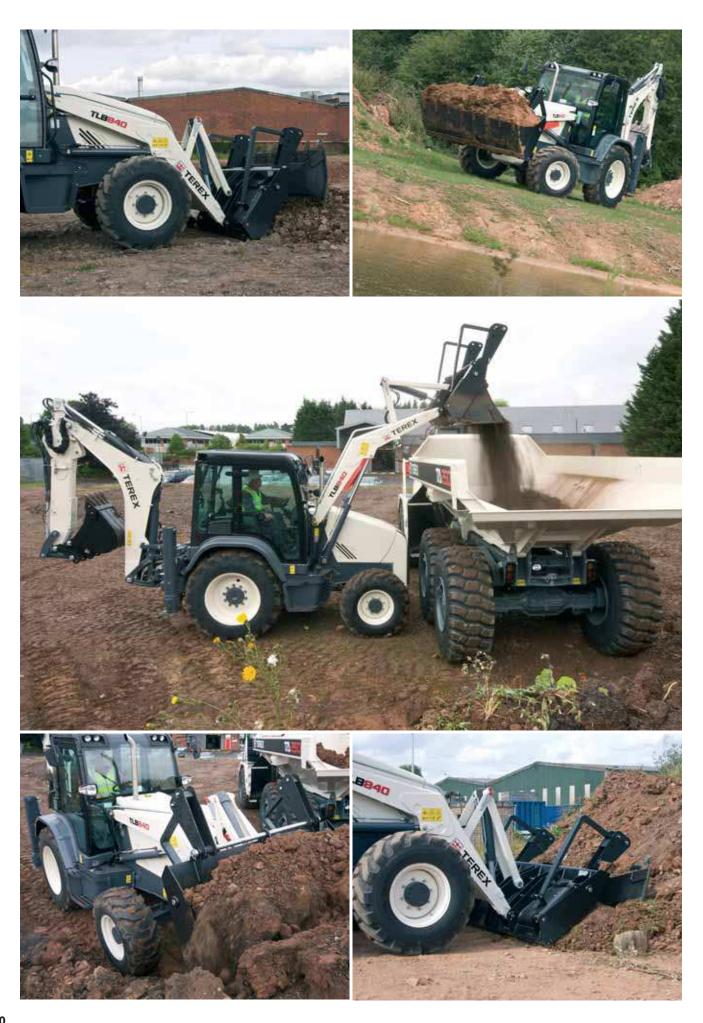
Our new curved boom design provides greater clearance to reach over obstacles and the ability to load closer into trucks. This increased versatility means greater productivity.

With a dig depth to 5.4m (17' 8") and a reach at ground level of up to 6.7m (22'), the figures are impressive and so are the results.

We've included a new "Deep Dig" outerslide extending dipperstick, to allow you to clamp objects with ease between bucket and dipper. An optional thumb attachment is also available for grab and grip applications.

- New slew system provides high torque for easier backfilling and slewing uphill
- High dipper and bucket digging forces for high productivity trenching
- New externally adjustable stabiliser wear pads are easy to service
- Choice of 2 auxiliary hydraulic circuits to power attachments
- SAE, ISO or diagonal mechanical controls
- Optional excavator style pilot controls ensure smooth multi-function operation
- Combined transport lock for reduced effort and added safety





A LOAD OFF YOUR MIND.

Prepare to be moved

The Terex[®] Backhoe Loader is renowned for high loader bucket break out force and exceptional lifting capacity to full height.

The Terex[®] TLB840 continues this theme and is available with the highly acclaimed 7 in 1 front bucket arrangement. Operated using a single bucket cylinder, the front bucket uses fewer component parts thereby reducing maintenance routines and driving down operating costs.

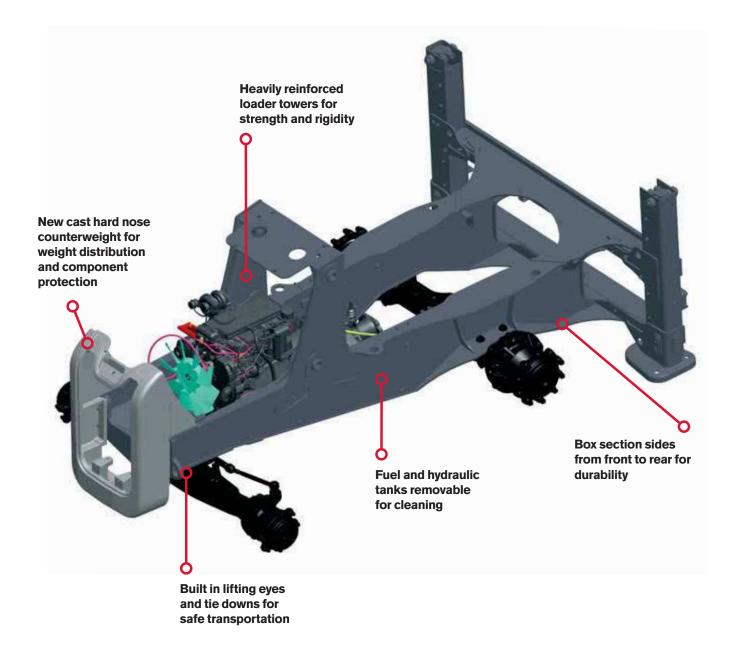
With 'return to dig' selectable at the press of a button, the Terex[®] TLB840 has reduced cycle times and is always ready for that next load.

What this means for you

- Loading height of 3.5 m (11' 3") for easy loading of high sided trucks
- Hydro mechanical self leveling avoids spillage and allows load retention at full height
- Hydraulic unload button controls loader lift speed and also boosts the machine's pushing performance
- Full width 1.0m³ (1.32 yd³) heaped capacity for high production
- Choice of bucket teeth or bolt on reversible cutting edge
- Lifting eye and pallet fork bar mounting brackets built in for versatility
- Dual function control delivers simultaneous clamshell and bucket operation

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ENGINEERED TO PERFORM.



A powerful new presence

Built around a chassis with a proven track record for safety, reliability and durability, the Terex[®] TLB840 is a reassuring tower of strength.

We've fitted a new cast hard nose counterweight, which gives improved weight distribution and full component protection. Superior handling and reduced operator steering effort is achieved via a new larger steering cylinder, housed on a new front axle.

Braking performance is enhanced due to the larger diameter outboard mounted wet disc brakes, giving increased braking torque and a shorter stopping distance.

The Terex[®] TLB840 is propelled by a 4 speed power shuttle transmission with the option of a servo power synchro transmission with automatic shifting. This innovative system reduces driveline loss by 9%, delivering greater fuel economy and increased tractive effort for outstanding loader productivity.

- Charge air cooled engine delivers smooth and economical operation
- High torque back up ensure optimum pushing and loader productivity
- Tilting hood allows easy access for reduced machine maintenance time
- Steering system delivering class leading turning circle of 7.9 meters
- Selectable 4 wheel braking for added safety
- Transport speed of 40Km/h quickens highway journey times
- Automatic or manual shifting for reduced cycle times and improved loading
- Kickdown and kickup between 1st and 2nd speeds boosts performance when pushing with the front bucket



AT YOUR SERVICE.

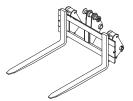
Access all areas

With service points conveniently positioned within easy reach of ground level, maintaining the Terex[®] TLB840 is made easy. The fully opening front hood allows for ease of access, tiltable oil coolers and provision for your toolkit make for very quick daily maintenance reducing machine downtime.

- > Tiltable oil cooler to allow cleaning between cooler matrices
- Externally adjustable stabiliser wear pads
- Easily adjustable "Deep Dig" dipperstick wear pads
- Accessible jump start posts for ease of use



THE RIGHT TOOLS FOR THE JOB.



Terex[®] pallet forks

- Safe working load at 500mm load centre 2500kg (5500lb)
- Class 2B 100mm (4in) x 40mm (1.6in)
- Weight 228kg (502lb)



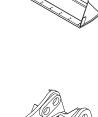


Terex[®] broom bucket

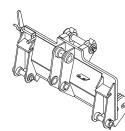
- Bucket capacity 0.58m³ (0.76yd³)
- Max width 2750mm (108in)
- Max flow 76L/min (16.9gpm)
- Maximum pressure 207bar (3000psi)

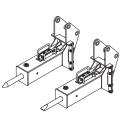
Terex[®] farm fork and grapple

- 2290mm wide
- For handling manure and sileage









Terex (TXH1100S) hydraulic breaker

- Powerful performance
- Max energy per blow 1100 Joules
- Blow rate 550-1100 per min
- Simple servicing
- Full range of tools

Lifting (lifting eye/forks) safe working load 1000kg (2204lb)

Spreading and Leveling

Terex[®] 7 in 1 bucket

Digging

Loading

Dozing

Scraping

Grabbing

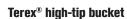
Terex[®] excavator quick attaches

- Automatic version enables bucket changing from seat
- Picks up competitive buckets
- Mechanical version available
- Both versions save time and money

Terex® loader quick attach

- Simple Design
- Mechanical or hydraulic locking
- Picks up standard and 7 in 1 loader buckets





- Heaped capacity of 0.97m³ (1.27 yd³)
- Dump height of 4100mm (161in)
- Weight 840kg (1848lb)



SPECIFICATIONS

ENGINE

Perkins 1104D-44TA (Tier 3) with Wastegate turbocharger and Charge air cooling

- Torque rise 31%
- Mechanical fuel injection
- Stainless steel muffler and Exhaust Stack500 hour service period"

- 500 Hour

Cylinders	4
Capacity	4.4L (269in ³)
Rated Speed	2200 rpm
Gross Power @ 2200rpm Cert. Rating to UN/ ECE R120	70 (93.8) kW(hp)
Derived Net Rating @ 2200 rpm to ISO/80/1269/EC	65.7*(88.1*)kW(hp)
Max Torque @ 1400 rpm UN/ ECE R120 ISO 80/ 1269/ EC	395 (291*) Nm (lbft) 372* (274*) Nm (lbft)

* Nominal Non-certified Valves

Martin a				1000	a transformation
wiring	ana	connectors r	neet	1269	standard

Maintenance free battery
12 volt negative ground
Battery Isolator
Jump start posts
100 amp alternator
Blade type fuses
100 A/ hr single battery with 830 CCA - EN Standard
140 A/hr dual batteries with 1260 CCA - EN Standard

CAPACITIES

Fuel Tank	140 (31.1)
Engine Coolant	16.0 (3.5)
Engine Oil (including filter)	8.5 (1.9)
Synchro Shuttle Transmission	15.0 (3.3)
Servo Power Synchro Transmission	15.0 (3.3)
Rear Axle (including final drives)	15.5 (3.4)
Front Axle (including final drives)	9.5 (2.1)
Hydraulic Tank	92.0 (20.4)

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 kN (lb) Rear kN (lb)	225 (50602) 187.5 (42169)	90 (20259) 75 (16867)

OPERATING WEIGHTS

Base Machine Weight	7210 kg (15895 lbs)
Add/ Delete	
7 in 1 Multi-Purpose	+ 330 kg (728 lbs)
7 in 1 Multi-Purpose Fork Kit	+ 150 kg (330 lbs)
Deep Dig Dipper	+ 265 kg (584 lbs)
ROPS Frame	- 150 kg (330 lbs)
Front Counterweight	+ 42 kg (92 lbs)

Base operating weight includes cab, standard loader bucket, standard dipper stick, 600mm bucket, full fuel tank and 75 kg operator.

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 3.0111 stall ratio				
Tyres	Front: Rear:	12.5 x 18 18.4 x 26	12.5/80 x18 16.9 x 28	12.5/80 x18 16.9 x 30
Travel Speeds Forward/ Reverse				
1st	Km/h (mph)	5.7 (3.6)	5.7 (3.5)	5.9 (3.7)
2nd	Km/h (mph)	9.2 (5.7)	9.1 (5.7)	9.6 (5.9)
3rd	Km/h (mph)	20.3 (12.6)	20.0 (12.4)	21.0 (13.0)
4th	Km/h (mph)	40.5 (25.1)	40.0 (24.8)	41.0 (25.6)

- 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

Tyres	Front: Rear:	12.5 x 18 18.4 x 26	12.5/80 x18 16.9 x 28	12.5/80 x18 16.9 x 30
Travel Speeds Forward				
1st	Km/h (mph)	5.7 (3.6)	5.7 (3.5)	5.9 (3.7)
2nd	Km/h (mph)	9.2 (5.7)	9.1 (5.7)	9.6 (5.9)
3rd	Km/h (mph)	20.3 (12.6)	20.0 (12.4)	21.0 (13.0)
4th	Km/h (mph)	40.5 (25.1)	40.0 (24.8)	41.0 (25.6)
Reverse				
1st	Km/h (mph)	5.7 (3.6)	5.7 (3.5)	5.9 (3.7)
2nd	Km/h (mph)	9.2 (5.7)	9.1 (5.7)	9.6 (5.9)
3rd	Km/h (mph)	20.3 (12.6)	20.0 (12.4)	21.0 (18.0)

TURNING CIRCLES

		Over Tyres	Over Bucket
Without Brakes With Brakes	m (ft) m (ft)	7.9 (25'9") 7.0 (23'0")	10.6 (34'7") 9.7 (31'10")
Depending on tyre size			

TYRES

Ltrs (gals)

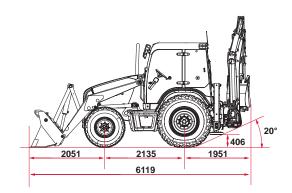
Front - Tractor Industrial 12.5/80 x 18 12 Ply Tubeless Rear - Tractor Industrial 16.9 x 28 12 Ply Tubeless	
Front - Super Traction Loader 12.5 x 18 10 Ply Tubeless Rear - Tractor Industrial 16.9 x 30 14 Ply Tubeless	
Front - Multipurpose 12.5 x 18 10 Ply Agricultural Tubeless Rear - Agricultural 18.4 x 26 12 Ply Tubeless	
Front - Industrial 16/70 x 20 14 Ply Tubeless Rear - Industrial 16.9 x 30 14 Ply Tubeless	
Front - Agricultural 405/70 x 20 14 Ply Tubeless Rear - Agricultural 18.4 x 26 12 Ply Tubeless	

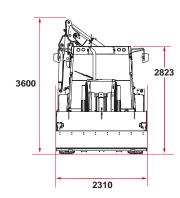
HYDRAULIC SYSTEM

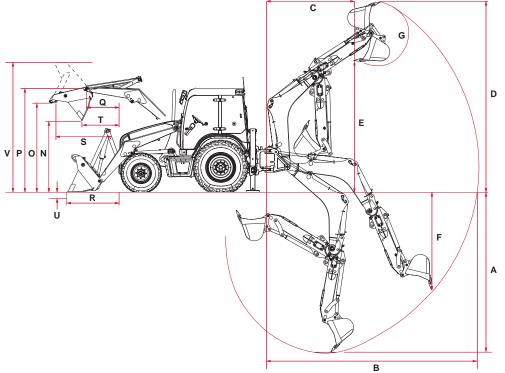
 Tandem Gear Pumps with unloader valve Open centre control valves Automatic or manually activated pump flows Power Boost to match digging power and speed to application External oil level gauge Tilting oil cooler 125 micron suction strainer 10 micron return line filter 	
Main Pump Flow @ 2200rpm L/min(gpm)	80 (17.7)
Secondary Pump Flow @ 2200rpm L/min(gpm)	62 (13.7)
System Main relief Setting bar (psi)	250 (3625)
Unloader Settings bar (psi)	207 (3000)

LOADER DIMENSIONS

		Standard / 7 in 1 Bucket mm (ft)
N. Dump Clearance -	at 45°	2850 (9'4")
O. Loadover Height		3369 (11'1")
P. Hinge Pin Height		3615 (11'10")
Q. Pin Forward Reach		315 (1'0")
R. Reach at Ground		1451 (4'9")
S. Max. Reach at Full Height		1186 (3'11")
T. Reach at Full Height -	at 45°	731 (2'5")
U. Dig Depth Rollback at Ground Max. Dump Angle Fully Raised		156 (6") 50° 47°
V. Overall Operating Height		4597 (15'0")







BACKHOE DIMENSIONS

		Standard Dipper - mm (ft)	Deep Dig Dipp	er – mm (ft)
			Retracted	Extended
A. Dig Depth	Maximum SAE 2ft Flat Bottom SAE	4371 (14'4") 4324 (14'2")	4371 (14'4") 4324 (14'2")	5390 (17'8") 5344 (17'6")
B. Reach - Ground Level to sl	ew	5703 (18'9")	5703 (18'9")	6666 (21'10")
C. Loading Reach		2280 (7'6")	2280 (7'6")	3120 (10'3")
D. Operating Height		5211 (17'1")	5211 (17'1")	5794 (19'0")
E. Loading Height SAE Max Dumping Height		3615 (11'10") 3465 (11'4")	3635 (11'11") 3465 (11'4")	4215 (13'10") 4044 (13'3")
F. Maximum Straight Wall Di	g Depth	2685 (8'10")	2685 (8'10")	3635 (11'11")
G. Bucket Rotation Degrees	Speed Power	194 164	196 166	196 166
Total Sideshift		1178 (3'10")	1178 (3'10")	1178 (3'10")
Stabiliser Spread		2115 (6'11")	2115 (6'11")	2115 (6'11")
Max. Levelling Angle Degrees		8	8	8

SPECIFICATIONS

BACKHOE PERFORMANCE

	Standard Dipper		Deep Dig Dipper			
			Retrac	ted	Extend	ed
	Standard Bucket	HD Bucket	Standard Bucket	HD Bucket	Standard Bucket	HD Bucket
Max Slew Torque kNm	25.32		25.3	2	25.32	2
Dipper Tearout kN (lbf) (SAE J49 Standard)	35.4 (7961)	35.4 (7961)	35.4 (7961)	35.4 (7961)	26.2 (5892)	26.2 (5892)
Bucket Tearout kN (Ibf) Speed	52.9 (11897)	52.9 (11897)	52.5(11807)	52.5(11807)	52.5(11807)	52.5(11807)
(SAE J49 Standard) Power	-	60.7 (13651)	-	60.1 (13516)	-	60.1 (13516)

LOADER PERFORMANCE

	Standard Bucket	7 in 1 Bucket
Bucket Breakout kN(lbf)	46.5 (10485)	44.8 (10097)
Arms Breakout kN (lbf)	46.0 (10329)	42.3 (9597)
Lift Capacity To Full Height kg(lb)	3307 (7291)	2977 (6563)

(Standard / 7 in 1 buckets)

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

PALLET FORKS

Fork Length	mm (ft)	1067 (3'6")	
Section Width	mm (ins)	80 (3")	
Assembly Width	kg (lb)	153 (336)	
Max. Operating Height	mm (ft)	3097 (10'2")	
Reach At Ground Level	mm (ft)	2660 (8'9")	
Reach At Full Height	mm (ft)	2251 (7'5")	
S.W.L. At 500mm Load Centre	kg (lb)	1000 (2204)	

BACKHOE BUCKETS

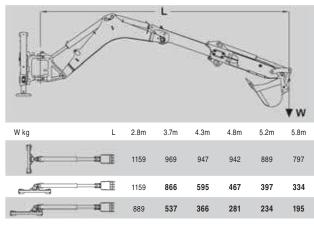
Bucket	Width mm (ins)	Capacity m ³ (ft ³)	Weight Kg (lbs)
		0.074 (2.62)	
	305 (12)	0.120 (4.25)	99 (218)
Standard Trenching	450 (18)	0.177 (6.26)	114 (251)
	600 (24)	0.236 (8.32)	136 (300)
	750 (30)	0.296 (10.44)	157 (346)
	900 (36)	0.084 (2.96)	178 (392)
Heavy Duty	305 (12)	0.140 (4.96)	112 (247)
	450 (18)	0.203 (7.15)	128 (282)
	600 (24)	0.266 (9.38)	152 (335)
	750 (30)	0.330 (11.66)	174 (383)
	900 (36)	0.262 (9.2)	198 (436)
Ditch Cleaning	1500 (60)	0.317 (11.2)	180 (397)
	1800 (72)	0.258 (9.1)	204 (450)
Trapezoidal	1200 (48)		146 (322)

LOADER BUCKETS

		Standard Bucket	7 in 1 Bucket
Width	mm (ft)	2311 (7.7)	2311 (7.7)
Capacity	m ³ (yd ³)	1.0 (1.32)	1.0 (1.32)
Weight	Kg (lbs)	400 (880)	730 (1606)

SIDESHIFT BACKHOE

Load Chart for Extending Dipperstick using boom cylinder for lifting



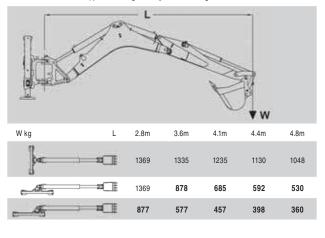
Backhoe Configuration (Top to Bottom)

- Centrally located 'over end' lift capacity (within 45° either side of the machine centreline)
- · Centrally located lift capacity through the full swing arc
- Fully offset lift capacity through the full swing arc

Note

- Standard 600mm (24*) bucket fitted, for larger buckets subtract difference in weight from stated
 lift capacity
- Figures stated are rated capacities, and are the lower of either the rated hydraulic lift capacity, or rated tipping load
- · Figures in bold print are stability limited figures

Load Chart for Standard Dipperstick using boom cylinder for lifting



STANDARD AND OPTIONAL EQUIPMENT

ENGINE

	Perkins 1104D-44TA (Tier 3)
	Wastegate turbo and charge air cooled
	Electric fuel pump
	Mechanical fuel injection
	4 Glow plug starting aid
	Horizontal spin on oil filter
	Primary fuel filter with water separator
	Vertical element secondary fuel filter
	500 hour service period
	Oil to water internal plate oil cooler
	Engine gradeability fore/aft and side/ side 30 $^{\circ}$
	Anti-freeze rated to -37 $^{\circ}$ C
	Coolant expansion bottle
	Alternator and fan drive by dual V belt
	Gear driven water pump
	Puller type 9 bladed cooling fan
	Dual element Powercore air cleaner
	Stainless steel muffler and exhaust stack
	OPTION: Fan guard

DRIVELINE

Synchro shuttle transmission 4F/4R speeds Direction control with neutral safety interlock Transmission de-clutch on gear and loader controls Servo power synchro transmission 4F/3R speeds Column mounted rotational control lever Automatic up and down shifting Auto change down 4/3 and back Kick down 2/1 and Kick up 1/2 Torque Convertor stall ratio 3.01:1 Easy clean transmission oil cooler Vertical element oil filter Foot operated electro/hydraulic differential lock Outboard Planetary final drive axles Large capacity outboard oil immersed disc brakes · 2 Kevlar friction discs (289mm dia) per side Total friction area per side 156cm² (24.2in²) Brakes self adjusting and self equalising Dual brake pedals with combined or independent use Internal wet disc parking brake • Max Parking Slope (unladen) 1:2 • Max Parking Slope (laden) 1:2.5 Hydrostatic steering with emergency manual operation.

4WD standard

Selectable 2 and 4 wheel braking in all gears

Selectable 2 and 4WD

CAB AND CANOPY

ROPS/ FOPS conform to ISO 3471/ 3449
Access from both sides
Self cleaning footsteps and large grab handles
Anti slip floor mat (canopy)
Internal rear view mirror
Folding external rear view mirrors
2 cup holders
Coat hook
Tilt and Telescopic steering wheel
Front and rear horn
Seat storage for operators manual
2 in (51mm) retractable seat belt
Vinyl seat with mechanical suspension (canopy)
3 auxiliary 12 volt outlets
Cab with 2 door access
Partial door locking
Opening rear quarter windows with internal operation
Full depth up and over rear window
Laminated windscreen
Tinted toughened safety glass
Front and rear screen washers and wipers

Standard fabric seat with mechanical suspension

Heater (7.37kW)

Lockable chilled storage box

Digital clock

Cell phone holder with power plug

Pre installation of wiring for radio

Internal noise level 78 dB(a)

12 audible and visual warning lamps

Engine hour meter

4 rear work lights

3 Gauges for engine oil temperature, fuel and rpm

- 2 external power sockets for beacon
- CANOPY OPTIONS:
- Windscreen with wiper
 Lockable vandal covers
- CAB OPTIONS:
- Air conditioning (7.6 kW cooling)
- Premium high back seat, heated with air suspension
- 3 in seat belt Speedometer

LOADER

Living Machanical solf lovallin

Hydro-Mechanical self levelling
Control lever with transmission and pump unload buttor
Single bucket cylinder
Bucket cylinder cushioning
Return to dig
Float position with positive hold
Bucket level indicator
Integral Loader arm safety bar
Standard bucket 1m3 (1.32yd3) with lifting eye
7in 1 bucket 1m3 (1.32yd3) with lifting eye
Bucket teeth or bolt on reversible cutting edge
7in1 bucket control lever with dual function
OPTIONS: Pallet forks with safe working load of 1000kgs 3 drd hydraulic line with standard bucket Hose burst valves Ride control Bucket tooth guard Mechanical or hydraulic quick attach
BACKHOE

Curved style boom

Standard dipperstick

Outer slide "Deep Dig" dipperstick

Externally adjustable lubrication free wear pads (11)

- Thumb cylinder mounting bracket incorporated
- Replaceable serrated clamping plates

Electro/hydraulic dual transport lock

Externally adjustable stabiliser wear pads

SAE/ISO/ Diagonal 2 lever controls

Standard trenching buckets with reversible side cutters

OPTIONS:

- Stabiliser lock out valves
- · Boom and Dipper hose burst valves
- · Hydraulic and Mechanical guick attach
- Two auxilliary circuits with single and double acting operation
- $\bullet\,$ HD buckets with power and speed positions
- Object handling kit
- Quick release rubber street pads

GENERAL POINTS

- Heavy duty chassis construction
- Lockable side mounted toolbox

Fully tilting engine hood

- Front hard nose counterweight
- Lifting eyes and Tie downs (2 front and rear)
- OPTIONS:
- Reverse warning alarm
- Front fenders
- · 2 extra front counterweights 42 kg (92lbs) each.

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Effective Date: October 2010. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. © 2010 Terex Corporation.

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