

GEHL®

BL818S

BACKHOE LOADERS

KEY FEATURES

- ✓ Fuel-efficient Perkins engine, 92 hp
- ✓ With smart UC hydraulics for low fuel consumption
- ✓ Reliable Carraro Axle Transmission
- ✓ Larger standard front wheels
- ✓ Covered, protected and well-routed hoses
- ✓ Ergonomic and large cab design for operator comfort



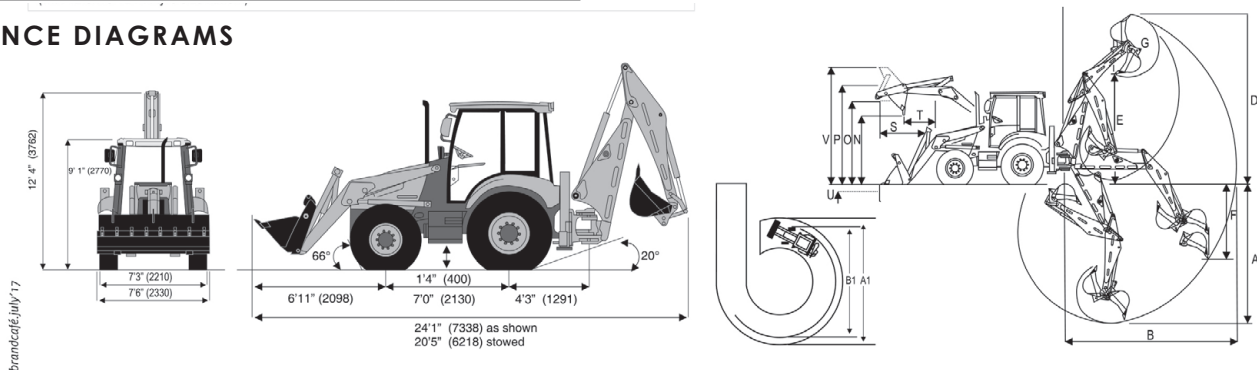
BL1818S BACKHOE LOADERS

TECHNICAL SPECIFICATIONS

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ENGINE	Perkins Turbocharged water-cooled Tier II engine				1104C-44T	
	Gross Power @ 2200 rpm - (hp)				68.5 kW (92)	
	Capacity				4.4 liter	
	Torque @ 1350 rpm				395 nm	
HYDRAULICS	Maximum Flow @ 2200 rpm (both pumps)				142 lpm (80+62)	
	Main Relief Pressure				3250 psi (225 bar)	
	Dual Work Modes: Economy and power by selection of twin vs. single pump					
TRANSMISSION	Carraro transmission, Four Speed (4 forward, 4 reverse gear) Synchro shift reversing shuttle transmission, with modulated clutch packs				✓	
	Two Wheel Drive is standard (four wheel drive optional)				✓	
	Torque Converter Stall Ratio - 3.01:1				✓	
AXLE	Rear Drive Axle rigidly mounted with outboard planetary final drives for easy maintenance				✓	
	Front-steer Axle with 16° oscillation for maximum ground contact in undulated conditions				✓	
STEERING/ BRAKES	Reliable hydraulically assisted power steering				✓	
	Self-actuating and self-adjusting, high capacity, sealed, wet disc brakes				✓	
TIRES	Front	Standard Traction 9 x 16-16 PR	Optional/Heavy-Duty 12.5 x 18 - 12 PR / 9 x 16 - 16 PR		✓	
	Rear	Standard Traction 16.9 x 28 - 12 PR	Optional/Heavy-Duty 14 x 25 - 20 PR			
ELECTRICAL	12V and 75A system with water and dust proof connectors and low maintenance battery				✓	
SPEEDS	Forward/Reverse Gear	1st Gear 5.4 km/hr	2nd Gear 8.6 km/hr	3rd Gear 19.9 km/hr	4th Gear 40 km/hr	
	BUCKETS	Loader Bucket Standard Capacity 1.0 cu m Width 2235 mm		Backhoe Bucket Standard Capacity 0.24 cu m Width 892 mm		
Optional Backhoe Buckets		0.09 cu m, 0.12 cu m, 0.18 cu m, 0.31 cu m				
STATIC DIMENSIONS	Overall Length				7338 mm	
	Overall Height				3762 mm	
	Wheelbase				2130 mm	
	Overall Width				2335 mm	
	Cabin Height				2770 mm	
	Ground Clearance				400 mm	

BACKHOE PERFORMANCE RANGE & FOCUS			Standard Dipper	Extending Dipper Retracted Extended	
	A.	Maximum Dig Depth - (ft)	4741 mm (8'11")	4741 mm (15'6")	5815 (19'1")
	B.	Maximum Reach - (ft) Ground Level to Slew Center	5730 mm (18'10")	5730 mm (18'10")	7020 mm (23'1")
	C.	Maximum Loading Reach - (ft)	1996 mm (6'7")	1996 mm (6'7")	2924 mm (9'7")
	D.	Maximum Operating Height - (ft)	5659 mm (18'7")	5659 mm (18'7")	6637 mm (21'9")
	E.	Maximum Loading Height SAE - (ft)	3553 mm (11'8")	3553 mm (11'8")	4531 mm (14'10")
		Maximum Loading Height - (ft)	3871 mm (12'8")	3871 mm (12'8")	4849 mm (15'10")
	F.	Maximum Straight Wall Dig Depth - (ft)	2602 mm (8'5.4")	2602 mm (8'5.4")	3991 mm (13'0")
	G.	Maximum Bucket Rotation	194°	194°	194°
		Total Side Shift - (ft)	1198 mm (3'11")	1198 mm (3'11")	1198 mm (3'11")
	Dipper Tear Out	3946 kgf	3946 kgf	2644 kgf	
	Bucket Tear Out	5219 kgf	5219 kgf	5219 kgf	
	Hydraulic Lift Capacity	1384 kgf	1184 kgf	812 kgf	
LOADER PERFORMANCE			Standard Shovel	7-in-1 Shovel	
	N.	Maximum Dump Height at 45° - (ft)	2708 mm (8'11")	2708 mm (8'11")	
	O.	Maximum Loadover Height - (ft)	3310 mm (10'10")	3319 mm (10'10")	
	P.	Maximum Hinge Pin Height - (ft)	3550 mm (11'8")	3550 mm (11'8")	
	S.	Maximum Reach at Full Height - (ft)	1282 mm (4'3")	1282 mm (4'3")	
	T.	Maximum Reach at Full Height 45° - (ft)	829 mm (2'9")	829 mm (2'9")	
	U.	Below Ground Dig Depth - (ft)	156 mm (6")	156 mm (6")	
		Rollback at Ground	45°	45°	
		Maximum Dump Angle	57°	57°	
	V.	Maximum Operating Height - (ft)	4230 mm (13'11")	4298 mm (14'1")	
Shovel Breakout		4756 kgf	4580 kgf		
	Arms Breakout	4685 kgf	4345 kgf		
	Lift Capacity to Full Height	3465 kgf	3058 kgf		
OPERATING WEIGHT	Machine Kerb Weight		7500 kg		
	Machine Kerb Weight with 4WD		7600 kg		
	Machine Kerb Weight with 4WD & 7-in-1		7930 kg		
TURNING RADIUS	A1. Inner wheels not braked* Over Tires Over Bucket	8.4 m (27'7")	11.1 m (36'5")		
	B1. Inner wheels braked* Over Tires Over Bucket <i>* with 12.5x18-12 PR tires</i>	7.2 m (23'8")	10.0 m (32'10")		
CAPACITY	Fuel Tank	120 L	Transmission	15 L	
	Engine Coolant	16 L	Rear Axle	17.5 L	
	Engine Oil	9.1 L	Hydraulic Oil	90 L	
OPTIONS	A/C Cabin / Canopy	Four Wheel Drive (Instead of 2WD)	7-in-1 Clam-Shovel		
	Range of Trenching Buckets	Ditch Cleaning Bucket	1.2 cu m Loader Bucket		
	Extendable Dipper	Ripper Tooth			

REFERENCE DIAGRAMS



Effective Date: September, 2017. All dimensions, weights, and timings are variable within 1.5%. Company reserves the right to change specifications without prior notice. The illustrations do not necessarily show the standard version of the machine. 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 instruction 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 we make no other warranty, express or implied.

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