

TLB 844S MONITUO TEREX Backhoe Loader Specification

TECHNICAL SPECIFICATIONS

BL844S

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ENGINE	Kirloskar BS-III, 4-cylinder Turbocharged water-cooled diesel engine	4R1040TA			
	Gross Power @ 2200 rpm - (hp)	67.1 kW (90)			
	Capacity	4.16 liter			
	Torque	350 nm			
HYDRAULICS	Maximum Flow @ 2200 rpm (both pumps)	145 lpm (81+64)			
	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 - 2.88:1	✓			
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, maintenance free	✓			
TIRES	Front	Standard Traction 9 x 16-16 PR	Optional/Heavy-Duty 12.5 x 18 - 12 PR		
	Rear	Standard Traction 16.9 x 28 - 12 PR	Optional/Heavy-Duty 14 x 25 - 20 PR		
ELECTRICAL	12V and 65A system with water and dust proof connectors and 130 AH 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	0.08 cu m, 0.09 cu m, 0.12 cu m, 0.18 cu m, 0.27 cu m, 0.31 cu m			
STATIC DIMENSIONS	Overall Length	7338 mm			
	Overall Height	3762 mm			
	Wheelbase	2130 mm			
	Overall Width	2330 mm			
	Cabin Height	2770 mm			
	Ground Clearance	400 mm			

		Standard Dipper	Extending Dipper	
			Retracted	Extended
BACKHOE PERFORMANCE RANGE & FOCUS	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 * with 12.5x18-12 PR tires	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	11 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			