



Product Quotation  
 Quotation Number: **52863**  
 Quote Sent Date: **Oct 13, 2023**

Item Name	Item Number	Quantity
<b>Bobcat L28 Small Articulated Loader</b>	M1403	1
<b>Standard Equipment:</b> 24.8 HP Tier 4 Diesel Engine Telescopic Lift Arm (24" extension) Auxiliary Hydraulics: Variable Flow 12 GPM Articulation Lock Bar Backup Alarm Bob-Tach Operator Interlock Control System - Integrated in Left Arm Rest Controls:  Forward & Reverse foot pedals with joystick controlled workgroup functions & variable control switches for auxiliary hydraulics  Engine/Hydraulic Systems Shutdown		Glow Plugs (Automatically Activated) Horn Instrumentation: Engine Temperature & Fuel Gauges, Hourmeter, RPM and Warning Lights Lift Arm Support Device LED Work Lights, 2-Front & 1-Rear Operator Canopy:  Cup holder, Adjustable Suspension Seat, Retractable Seat Belt Roll Over Protective Structure (ROPS) meets ISO 3471 Falling Object Protective Structure (FOPS) meets ISO 3449, Level I  Parking Brake: Spring Applied, Pressure Released (SAPR) Tires: 8 Ply 23-10.50x12 Turf (46.5" wide) Warranty: 1 year, or Unlimited hours whichever occurs first
<b>Heated Cab Comfort Package</b> <i>Included:</i> Heated enclosed cab, wiper / washer, heated suspension seat, block heater	M1403-P01-C02	1
<b>Power Bob-Tach</b>	M1403-R06-C02	1
<b>Radio</b>	M1403-R26-C02	1
<b>Traction Assist</b>	M1403-R60-C02	1
<b>60" SAL Utility Bucket</b>	7387674	1
<b>24/2000 Full</b>	9986550	1

**Customer Acceptance:**

Quotation Number: 52863

Purchase Order: \_\_\_\_\_

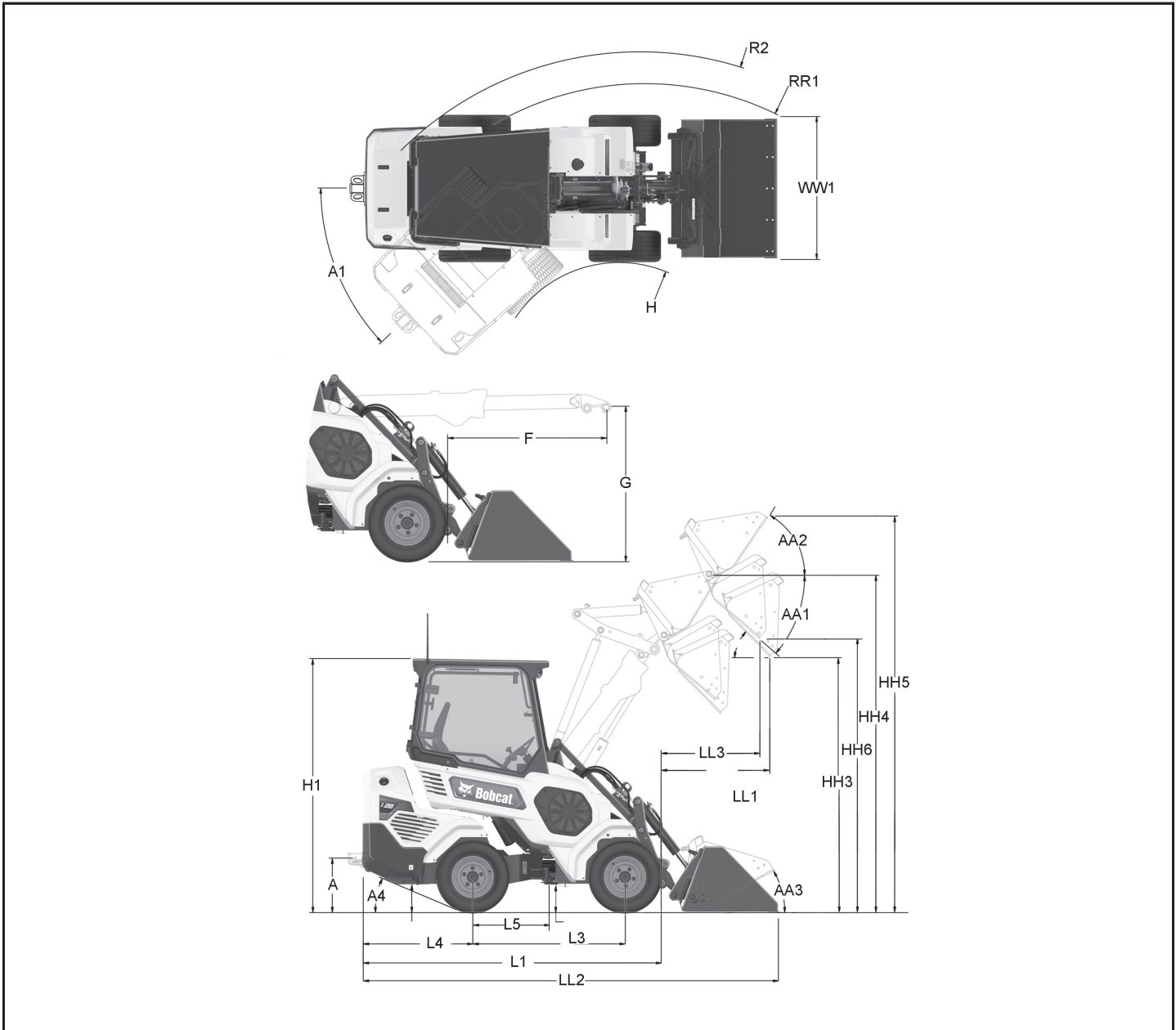
**Authorized Signature:**

Print: \_\_\_\_\_ Sign: \_\_\_\_\_

Date: \_\_\_\_\_ Email: \_\_\_\_\_ Tax Exempt: Y  / N

MACHINE SPECIFICATIONS - L28

Machine Dimensions



NA1853ba

Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.

REF.	DESCRIPTION	WITH STANDARD TIRE
A1	Articulation Angle	43°
R1	Turning Radius	1985,9 mm (78.19 in)
R2	Clearance Radius	2563,8 mm (100.94 in)
RR1	Turning Radius - Carry Position - Forks - Narrow	2290,5 mm (90.18 in)
WW1	Bucket Width	1270,0 mm (50.00 in)
H	Inner Turning Radius	931,5 mm (36.67 in)
F	Max Reach	1135,0 mm (44.69 in)
G	Hinge Pin Height @ Max Reach	1108,6 mm (43.65 in)
AA2	Maximum Rollback - Fully Raised	56°
AA1	Dump Angle	40°
HH5	Overall Operating Height — Fully Raised	3107,1 mm (122.33 in)
HH4	Height To Hinge Pin - Fully Raised	2650,6 mm (104.35 in)
HH6	Dump Height	2136,4 mm (84.11 in)
HH3	Reach At Specified Height	1993,9 mm (78.50 in)
AA3	Maximum Rollback @ Ground	30°
LL1	Reach At Specified Height	868,4 mm (34.19 in)
LL3	Reach - Fully Raised	785,7 mm (30.93 in)
LL2	Overall Length	3109,0 mm (122.40 in)
L1	Length Without Attachment	2367,8 mm (93.22 in)

REF.	DESCRIPTION	WITH STANDARD TIRE
L3	Wheelbase	1200,0 mm (47.24 in)
L4	Rear Overhang	878,3 mm (34.58 in)
A4	Angle Of Departure	23°
A	Hitch Receiver Height	408,1 mm (16.07 in)
H1	Overall Height	1983,7 mm (78.10 in)

**Performance Specifications**

	With Standard Counterweight	With Add-On Counterweight
Operating Weight	1903 kg (4195 lb)	2136 kg (4710 lb)
Breakout Force — Lift	1047 kg (2309 lb)	
Breakout Force — Tilt	1402 kg (3091 lb)	
Push Force	1039 kg (2291 lb)	
Travel Speed	13,2 km/h (8.2 mph)	

*With Standard Counterweight*

**Table 5 With Bucket**

	Straight		Articulated	
	Retracted	Extended	Retracted	Extended
Rated Operating Capacity	696 kg (1534 lb)	402 kg (888 lb)	554 kg (1222 lb)	323 kg (712 lb)
Tipping Load	1391 kg (3068 lb)	805 kg (1775 lb)	1109 kg (2444 lb)	645 kg (1423 lb)

**Table 6 With Forks**

	Straight		Articulated	
	Retracted	Extended	Retracted	Extended
Rated Operating Capacity	473 kg (1042 lb)	301 kg (663 lb)	380 kg (858 lb)	239 kg (528 lb)
Tipping Load	945 kg (2084 lb)	601 kg (1325 lb)	759 kg (1674 lb)	479 kg (1056 lb)

*With Add-On Counterweight*

**Table 7 With Bucket**

	Straight		Articulated	
	Retracted	Extended	Retracted	Extended
Rated Operating Capacity	885 kg (1952 lb)	521 kg (1149 lb)	669 kg (1475 lb)	401 kg (884 lb)
Tipping Load	1771 kg (3904 lb)	1042 kg (2297 lb)	1338 kg (2949 lb)	802 kg (1768 lb)

**Table 8 With Forks**

	Straight		Articulated	
	Retracted	Extended	Retracted	Extended
Rated Operating Capacity	597 kg (1316 lb)	392 kg (864 lb)	462 kg (1018 lb)	299 kg (660 lb)
Tipping Load	1194 kg (2632 lb)	783 kg (1727 lb)	923 kg (2035 lb)	598 kg (1319 lb)

**Engine Specifications**

Make / Model	Kubota D1305-E4B-BC-1 (1J991-41000)
Fuel	Ultra Low Sulfur Diesel NO. 1 or 2
Cooling	53% Propylene Glycol / 47% Water Mixture
Horsepower Gross Per Iso 14396 Gross Per Sae J1995 Net Per Sae J1349	18.2 kW (24.4 hp) 18.5 kW (24.8 hp) 17.7 kW (23.7 hp)
Torque Gross Per Sae J1995 Net Per Sae J1349	81,3 N•m (59.96 ft - lb) 77,9 N•m (57.5 ft - lb)
Low Idle Rpm	1250 +/- 50
High Idle Rpm	2720
Number Of Cylinders	3 In-Line
Displacement	1,261 L (76.95 in <sup>3</sup> )
Bore X Stroke	78 X 88 mm (3.07 X 3.46 in)
Lubrication	Forced Lubrication/Cartridge Type
Crankcase Ventilation	Closed Breathing
Air Filter	127 mm (5.0 in) Housing Primary And Secondary Dry Replacement Elements
Ignition	Compression (Diesel)
Air Induction	Naturally Aspirated
Starting Aid	Timed Glow Plugs

**Drive System Specifications**

Main Drive	Fully Hydrostatic, 4 – wheel drive
Transmission	Infinitely variable hydrostatic transmission powering four independent series-connected drive motors.
Final Drive	<p>Automatic traction modes:</p> <ul style="list-style-type: none"> <li>• High Traction mode while steering wheel is stationary.</li> <li>• Turf Safe mode while steering wheel is active.</li> </ul> <p>Optional Traction Assist Switch available to enable momentary override of the automatic modes to travel through adverse conditions giving equal tractive effort to all tires.</p>
Axle Size	62,5 mm (2.46 in), heat treated
Wheel Bolts	Five - 14mm wheel bolts fixed to axle hub

**Control Specifications**

Operator Interlock Control System (OICS)	Left Armrest Muct Be Lowered And Operate Switch Pressed To Activate Controls
Vehicle Steering	Steering Wheel
Vehicle Drive	Dual Travel Control Pedals
<p>Machine Hydraulics</p> <ul style="list-style-type: none"> <li>• Lift And Tilt</li> <li>• Extend And Retract</li> <li>• Front Auxiliary</li> </ul>	Dual Axis Joystick With Telescopic And Aux Function Controlled By Variable Fingertip Controls On Joystick
Auxiliary Pressure Release	Press And Hold Quick Couplers To Relieve
Service Brake	Hydrostatic Braking
Secondary Brake	Spring Applied Pressure Release
Parking Brake (Standard)	Spring Applied Pressure Release

**Hydraulic System Specifications**

Pump Type	Engine Driven Gear Type
Pump Capacity, Implement Pump	45,8 L/Min (12.1 gpm)
Auxiliary Flow	45,8 L/Min (12.1 gpm)
Hydraulic Filter	Replaceable Spin On Canister
Control Valve	Manually Operated Series Type (Lift & Tilt Functions) With Float Detent On Lift. E/H Operated Parallel Type (Aux & Telescopic Functions)

Fluid Type	Bobcat Fluid, Hydraulic / Hydrostatic 6903117 - (2.5 U.S. Gal)  6903118 - (5 U.S. Gal)  6903119 - (55 U.S. Gal)
System Relief Pressure	20 Mpa (2900 psi)
Auxiliary Relief	21 Mpa (3046 psi)
Lift Cylinder Port Relief, Base End And Rod End	29 Mpa (4206 psi)
Tilt Cylinder Port Relief  Base End Rod End	29 Mpa (4206 psi)  14 Mpa (2030 psi)
Main Hydraulic Filter Bypass	0,34 Mpa (50 psi)

**Electrical System Specifications**

Alternator	90 A Open Frame With Internal Regulator
Battery	12 Volt Bci Group 26 540 Amps Cold Cranking Capacity At -18°C (0°F) 80 Minute Reserve Capacity
Starter	12 V Gear Type 2,0 Kw [2.68 Hp]
Instrumentation	Gauges: Engine Coolant Temp And Fuel Level  Warning Lights: Seat Belt, Coolant Temperature, And, Engine Malfunction  Indicators: Armrest (OICS), Hydraulic Lock, Parking Brake, And Seat Belt  Data Display: Battery Voltage, Engine Rpm, Engine Preheat, Hourmeter, And Service Codes And Warnings  Other: Audible Alarm, Lights, And Option Accessory Switches

**Fluid Capacities Specifications**

Fuel	36,2 L (9.6 U.S. gal)
Engine Oil with Filter Change	3,8 L (4 U.S. qt)
Engine Cooling System  • with Heater • without Heater	• 28,6 L (7.55 gal) • 22,3 L (5.9 gal)
Engine Coolant Recovery Bottle	0,72 L (0.76 qt)
Hydraulic/Hydrostatic Reservoir	10,2 L (2.7 U.S. gal)
Hydraulic/Hydrostatic System	20,8 L (5.5 U.S. gal)



**Tire Specifications**

Turf (Standard)	23 x 10.5 – 12
Turf	23 x 8.5 – 12
Turf	26 x 12 – 12
Tractor	23 x 8.5 – 12
Tractor	26 x 12 – 12
Recommended Pressure	Inflate tires to MAXIMUM pressure shown on the sidewall of the tire; DO NOT mix brands of tires used on the same machine