

Specification Number	Code	Description	Price - All Zones
	239	5610 Upgrade to the Bobcat® Toolcat™ 5610	11546.4
	239 Options	20% off MSRP for all Factory Installed Options	0.2
	239 Attachments	24% off MSRP for all Attachments	0.24



## Product Quotation

Quotation Number: BDH-00173

Date: 2020-08-20 11:08:07

### Description

#### Bobcat 5610

Adjustable Vinyl Seats  
All-Wheel Steer  
Automatically Activated Glow Plugs  
Auxiliary Hydraulics  
Variable Flow with dual direction detent  
Beverage Holders  
Bob-Tach  
Boom Float  
Cowl and Cowl Support  
Cruise Control  
Deluxe Equipment:  
Cab Enclosure with Heater and Air Conditioning  
Deluxe Operator Canopy (Front Window, Rear Window, Front Wipers, and 2-Electrical Power Port)  
Deluxe Road Package (back-up alarm, turn signals, flashers, tail lights, brake lights, rear view mirror, side mirrors, horn, lower engine guard, rear work light, and headlights)  
Engine and Hydraulic Monitor with Shutdown  
Front Work Lights  
Full-time Four-Wheel Drive  
Horsepower Management  
Instrumentation:  
Hour meter, Job Hours, Speedometer,  
Tachometer, Fuel Gauge, Engine  
Temperature Gauge, and Warning Lights  
Heavy Duty Battery  
High Flow Hydraulics and Attachment Control Kit  
Keyless Ignition System  
Power BobTach  
PTO Package (rear PTO-540 RPM, PTO Shield, PTO Tachometer)  
Three-Point Hitch Package (Three-Point, depth position gauge)  
Rear Remote Package (One set of poppet-style couplers, for use with implement hydraulics)  
Roll Over Protective Structure (ROPS) - Meets Requirements of SAE-J1040 & ISO 3471  
Falling Object Protective Structure (FOPS) - Meets Requirements of SAE-J1043 & ISO3449, Level I  
Dome Light

Part No	Qty	Price Ea.	Total
M1223	1	\$55,124.00	\$55,124.00

Interior Trim  
Joystick, Manually Controlled with Lift Arm Float  
Lift Arm Support  
Limited Slip Transaxle  
Parking Brake, automatic  
Power Steering with Tilt Steering Wheel  
Radiator Screen  
Radio:  
AM/FM/Weatherbanb  
Aux Input & Head Phone Jacks  
Lower Engine Cover  
Rear Reciever Hitch  
Seat Belts, Shoulder Harness  
Spark Arrestor Muffler  
Storage Bins  
Suspension, 4-wheel independent  
Tires: 27 x 10.5-15 (8 ply), Lug Tread  
Toolcat Interlock Control System (TICS)  
Two-Speed Transmission  
Traction Control  
Machine Warranty: 12 Months, unlimited hours  
Bobcat Engine Warranty: Additional 12 Months or total of 2000 hours after initial 12 month warranty

Total of Items Quoted	\$55,124.00
Dealer Assembly Charges	\$0.00
Quote Total - US dollars	\$55,124.00

### Notes:

All prices subject to change without prior notice or obligation. This price quote supersedes all preceding price quotes.
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**Customer Acceptance:**

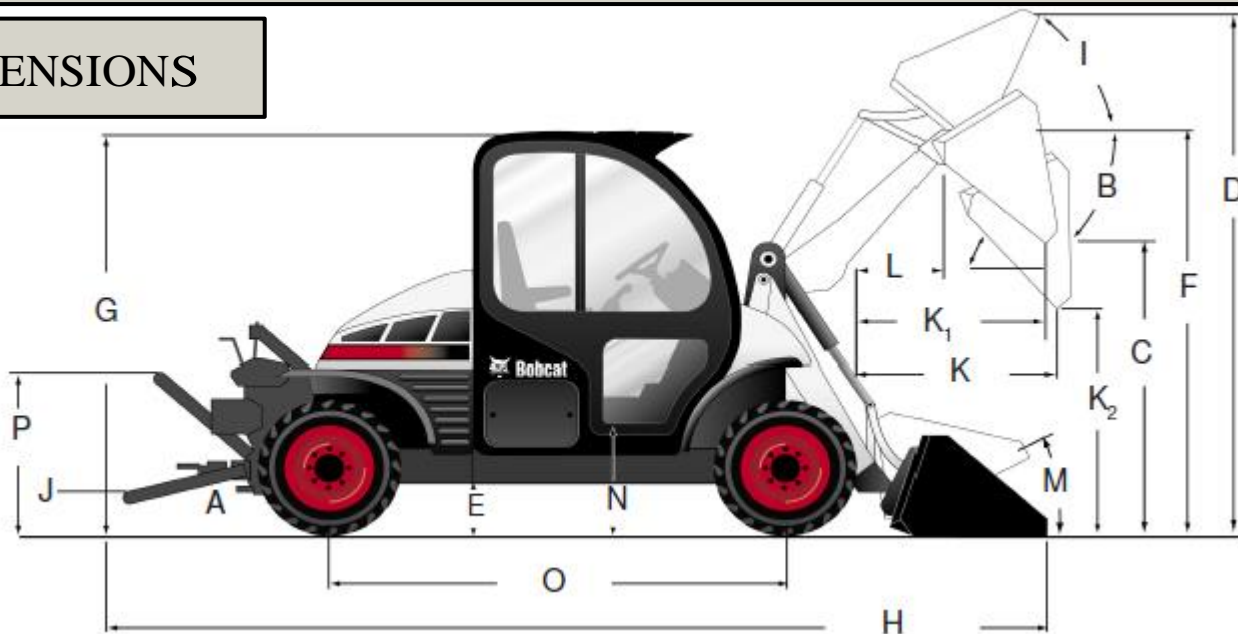
Purchase Order: \_\_\_\_\_

**Authorized Signature:**

**Print:** \_\_\_\_\_ **Sign:** \_\_\_\_\_ **Date:** \_\_\_\_\_

# 5610 TURBO UTILITY WORK MACHINE SPECIFICATIONS

## DIMENSIONS



A. Angle of Departure .....	28°
B. Dump Angle @ Maximum Height.....	40°
C. Dump Height .....	59.4" (1509 mm)
D. Overall Operating Height .....	108.2" (2748)
E. Ground Clearance - Cab .....	8.25" (235 mm)
Ground Clearance - Differentials .....	8.0" (203 mm)
F. Height to Bucket Hinge Pin .....	83.3" (2116 mm)
G. Height .....	81.0" (2057 mm)
H. Length with Standard Bucket .....	180.8" (4592 mm)
Length without Attachment .....	153.8" (3907 mm)
I. Maximum Rollback - Fully Raised .....	65°
J. Drawbar Height .....	13.25" (337)
K. Reach .....	45.7" (1161 mm)
K1. Reach - Fully Raised .....	39.9" (1013 mm)
K2. Reach - Specified Height .....	45.8" (1163 mm)
L. Reach to Hinge Pin .....	20.4" (518 mm)
M. Rollback @ Ground Level .....	30°
N. Step-in Height.....	20.7" (526 mm)
O. Wheelbase .....	88.0" (2235 mm)
P. Three-Point Height - Fully Lowered .....	6.17" (157)
Three-Point Height - Fully Raised .....	31.5" (800)
Q. Width (over tires, wheels straight)	
27x10.5-15 .....	60.0" (1524 mm)
R. Wheel Tread	
27x10.5-15 .....	49.5" (1257 mm)
S. Bucket Width .....	62.0" (1575 mm)
Turning Diameter in AWS mode .....	17'5" (5334 mm)

## PERFORMANCE

Rated Operating Capacity	
with Three-Point (ISO 14397) .....	1725 lbs. (782 kg.)
Operating Weight (SAE) .....	5710 lbs. (2590 kg.)
Travel Speed (Low Range and Work Mode) .....	0-8 mph (13 km/h)
Travel Speed (High Range) .....	0-16.5mph (27 km/h)
Travel Speed (Reverse) .....	0-8 mph (13 km/h)
Suspension - Front and Rear.....	4-wheel independent



## ENGINE/ELECTRICAL

Model .....	Bobcat D24NAP
Fuel/Cooling .....	Diesel/Liquid
Horsepower (SAE J1995) .....	62 HP (46.2 kW)
Maximum Governed RPM .....	2600 RPM
Torque (SAE J1349 Net) .....	160.8 lbf-ft (225 N-M) @ 1800 RPM
Number of Cylinders .....	4
Displacement .....	146 cu. in. (2,4 L)
Bore/Stroke .....	3.543/3.70 in. (90/94 mm)
Fuel Consumption .....	2.1 gph (7,9 L/h)
	Average fuel consumption is based on testing by Bobcat Company in all duty cycles. Actual consumption could be 2.1 - 3.4 gph depending on use.
Lubrication .....	Gear Pump Pressure System
Crankcase Ventilation .....	Closed (breathing)
Air Cleaner .....	Dry replaceable cartridge with safety element
Ignition .....	Diesel-Compression
Engine Coolant .....	Propylene glycol/water mix (53%-47%) with freeze protection to -34°F (-37°C)
Starting Aid .....	Glow plugs
Alternator .....	Belt driven; 90 amps; ventilated (open)
Battery .....	12 volt; 600 cold cranking amps @ 0°F, 115 minute reserve capacity @ 25 amps
Starter .....	12 volt; gear reduction type; 4.02 HP (3,0 kW)

## HYDRAULIC SYSTEM

Pump Type .....	Engine driven, gear type
Pump Capacity-Standard .....	18.9 GPM (71,5 L/min)
Pump Capacity-High Flow .....	27.9 GPM (105,6 L/min)
System Relief @ Quick Couplers.....	3000 PSI (206,8 Bar)
Hydraulic Filter .....	Full flow replaceable, 10 micron synthetic media element
Hydraulic Cylinders .....	Double-acting; tilt cylinder has cushioning feature on dump and rollback
Control Valve (Loader) .....	Pilot-operated, open center, series type with float detent on lift
Control Valve (Attachment) .....	Electric over hydraulic valve with variable flow control, and dual direction detent
Fluid Type.....	Bobcat Hydraulic/Hydrostatic Fluid - premium grade anti wear multi viscosity, petroleum based. Motor oil is not an acceptable alternative fluid.

### *Bore Diameter*

Lift Cylinder (1) .....	2.5 in. (63,5 mm)
Tilt Cylinder (1) .....	2.5 in. (63,5 mm)
Three-Point Cylinder (1) .....	2.38 in. (60,5 mm)

### *Rod Diameter*

Lift Cylinder (1) .....	1.5 in. (38,1 mm)
Tilt Cylinder (1) .....	1.5 in. (38,1 mm)
Three-Point Cylinder (1) .....	1.38 in. (35 mm)

### *Stroke*

Lift Cylinder (1) .....	22.89 in. (581,4 mm)
Tilt Cylinder (1) .....	16.34 in. (415,0 mm)
Three-Point Cylinder (1) .....	6.64 in. (169 mm)

### Hydraulic Function Times

Raise Lift Arms .....	3.3 Seconds
Lower Lift Arms .....	2.3 Seconds
Bucket Dump .....	2.5 Seconds
Bucket Rollback .....	1.7 Seconds

## THREE-POINT, PTO, REAR HYDRAULICS

Rear-PTO Horsepower .....	25 HP
Three-Point Hitch .....	Category I
Lift Control Type .....	Hydraulic Height Control
Rear PTO .....	540 RPM
Rear PTO System .....	Independent
Rear Remote Hydraulics .....	Dual
Telescopic Stabilizers .....	Standard
Lower Links .....	Fixed
Lifting Rod .....	Turnbuckle

## CAPACITIES

Fuel Tank .....	20 gals. (75,7 L)
Cooling System .....	
Engine Oil with Filter .....	9.1 qts. (7,6 L)
Hydraulic Reservoir .....	2.3 gals. (8.7 L)
Hydraulic/Hydrostatic System .....	42 qts. (39,8 L)
Axle Lube .....	5.5 qts. (5,24 L)

## DRIVE SYSTEM

Transmission .....	Fully hydrostatic, full-time 4-wheel drive
Differentials .....	Limited Slip Differentials provided in both axles.
Speeds .....	Two-speed ranges. Shifting between low and high range can be done on the fly and while under power.
Wheel Bolts .....	(6) 9/16 in. wheel bolts fixed to axle hubs on 6" bolt circle

## CONTROLS

Vehicle Steering .....	Direction controlled by steering wheel with tilt adjustment
Travel Speed .....	Controlled by drive pedal, cruise control controlled by dash button
Engine Speed .....	Controlled by separate hand lever
Vehicle Direction .....	Forward and reverse travel direction controlled by a shuttle lever
Steering Modes .....	All-Wheel Steer or Front-Wheel Steer controlled by electric switch
Hydraulic Controls	
Lift & Tilt .....	Manually operated pilot joystick
Front Auxiliary .....	Electrical switches on the hydraulic joystick
Three-Point .....	Lever controlled hydraulic valve
Auxiliary Pressure Release .....	Pressure is relieved through the coupler block, push in and hold each coupler for five seconds
Engine .....	Hand lever throttle; key-type starter switch and shutdown
Starting Aid .....	Glow Plugs – automatically activated by instrument panel
Service Brake .....	Two independent hydrostatic systems controlled by foot pedal
Two-speed Travel .....	Engaged via a push button
Parking Brake .....	Spring applied, released by hydraulic pressure (SAPR). Activated by "Park" position in shuttle lever, or automatically when engine is not running.

## INSTRUMENTATION

The following machine functions are monitored by a combination of gauges and warning lights in the operator's line of sight. The system shall alert the operator of monitored machine malfunctions by way of an audible alarm and visual warning lights.

### *LCD Display*

Diagnostic Codes  
Hourmeter  
Job Clock (resettable)  
Speedometer  
Tachometer

### *Buttons*

Auxiliary Hydraulics  
Cruise Control  
Display (speed, hours, RPM)  
Lift Arm and Tilt Transport Lock  
Lights  
Parking Brake  
Work Mode

### *Gauges*

Engine Coolant Temperature  
Fuel meter

### *Indicator Lights (Amber)*

Auxiliary  
Hydraulics Enabled Cruise  
Control Engaged reminder Glow  
Plugs Activated  
Return to Park reminder  
Two-Speed engaged reminder  
Work Mode indicator

### *Warning Lights (Red)*

Fuel Level  
General Warning  
High Hydraulic Temperature  
Lift Arm and Tilt Transport Lock  
Low Engine Oil Pressure  
Low Battery Voltage  
Parking Brake  
Seat Belt reminder

## SHUT-DOWN SYSTEM

Engine will automatically shut down if any of the following conditions exceed acceptable limits:

High engine temperature  
Low battery voltage  
Low engine oil pressure  
Engine over-speed  
Fuel Temperature

## SERVICEABILITY

### *Cab Screen Access*

Battery  
Air Conditioner  
Condenser Alternator  
Engine Oil Filter  
Engine Oil Dipstick  
Case Drain Hydraulic Filter

### *Under Cowl Access*

Air Cleaner  
Engine and Hydraulic Oil Coolers

- Rear cowl is equipped with a support to use while servicing the machine
  - Removable seats give access to hydraulic system components
  - Engine oil filter and fuel filter are accessed from under machine
  - The lift arm bypass control is located under the passenger seat
  - The fuses are located under the dash on passenger side
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## OPTIONS/ACCESSORIES

Factory Option	Field Kit	Description
X	X	27-8.5-15 (8 ply) Trac Tires
X	X	29x10.5 (8 ply) Trac Tires
X	X	29x12.5 (6 ply) Turf Tires
	X	Beacon Rotating
	X	Lower Engine Cover
	X	Lower Debris Guard
	X	Strobe Light
	X	Wide Fenders
	X	Step Kit

## STANDARD FEATURES

Adjustable vinyl cushion seats  
 All-wheel steer  
 Automatically activated glow plugs  
 Auxiliary Hydraulics:  
     Variable flow with dual direction detent  
 Beverage holders  
 Boom float  
 Cab Enclosure with Heater & Air Conditioning  
 Cowl & Cowl Support  
 Cruise control  
 Deluxe Operator Canopy\* includes:  
     Front window with wipers, rear window,  
     and electrical power port  
 Deluxe Road Package: Backup alarm, turn signals  
     flashers, trail lights, brake lights, rear view  
     mirror, side mirrors, horn, rear work lights &  
     headlights  
 Dome Lights  
 Engine and hydraulic monitor with shutdown  
 Front work lights  
 Full-time four-wheel drive  
 Heavy duty battery  
 High flow hydraulics and Attachment Control Kit ( 7 pin)  
 Horsepower management  
 Instrumentation  
 Instrumentation (See Page 4)  
 Interior Trim  
 Joystick, Manually Controlled  
 Lift arm stop  
 Keyless Ignition System  
 Lift Arm Support  
 Limited slip transaxle  
 Parking brake, automatic  
 Power Steering with tilt steering wheel  
 PTO (with shield and tachometer)  
 Receiver hitch, Rear



## STANDARD FEATURES CONT.

Rear Remote Package: Two sets of poppet-style couplers,  
(For use with implement hydraulics)

Seat belts, Shoulder Harness

Storage Bins

Suspension, 4-wheel independent

Three-Point Hitch, depth position gauge

Tires: 27x10.5-15 (8 ply), Lug Tread

Toolcat Interlock Control System™ (TICS)

Traction Control System

Two-speed transmission

Warranty: 1 Year, Unlimited Hours

\*Roll Over Protective Structure (ROPS)

\*Falling Object Protective Structure (FOPS)

## ATTACHMENTS & IMPLEMENTS

Angle Broom

Auger

Bale Fork

Box Blade

Box Scraper

Brushcat Rotary Cutter

Bucket

Chipper

Dozer Blade

Combination Bucket

Dumping Hopper

Flail Cutter

Grader

Landplane

Landscape Rake

Grapple

Rock Buckets

Tine Rake

Mower

Pallet Fork - Standard

Pallet Fork - Hydraulic

Scraper

Seeder

Snow Blade

Snow Pusher

Snow V-Blade

Snow blower

Soil Conditioner

Soil Cultivator

Sprayer & Boom

Stump Grinder

Sweeper

Three-Point Hitch

Push Broom

Sod Layer

3-Point Adapter

Tiller

Tilt-Tach

Trencher

Utility Fork

Utility/Farm Grapple

Whisker Push Broom

Angle Blade

Auger

Box Blade

Mower

Rotary Cutter

Soil Cultivator

Tiller

Tine Rake

Finish Mower

Rebar Bender

Spreader

See **Bobcat Product Price List** for specific model availability

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## SAFETY

### Toolcat Interlock Control System™

(TICS) (Std.) ..... Requires the operator to be seated in the machine with the driver armrest down and the engine running before the hydraulic lift, tilt and the traction drive system can be operated. The auxiliary hydraulics shall deactivate when the operator raises the armrest.

Lift Arm Bypass Control (Std.) ..... Should the engine not start or a system problem occur with the lift arms raised, the lift arm can be lowered by turning the lift arm bypass control knob clockwise 1/4 turn. Then, pull up and hold until the lift arms slowly lower.

Three-Point Seat Belts (Std.) ..... Provided for operator and passenger. Includes a detachable shoulder harness

Operator Cab (Std.) ..... Cab meets ISO 3471 for Roll Over protective Structure (ROPS) and ISO 3449 Level I for Falling Objects Protective Structure (FOPS). Level I Acceptance is intended for protection from falling bricks, small concrete blocks and hand tools encountered in operations such as highway maintenance, landscaping and other construction site services.

ANSI B56.8 ..... Machine will fully comply with this standard (covering personnel and burden carriers) if a horn kit is added

Rear Cowl Support (Std.) ..... Use for servicing machine when cowl is raised

Lift Arm Support (Std.) ..... Use for servicing machine when lift arms are raised (stored under cargo box)

Grab Handles (Std.) ..... Passenger side grab handle provided. Steering wheel will function as driver side grab handle

Hip Restraint (Std.) ..... Provided on passenger side next to the seat

Operator's Instructions (Std.) ..... A weather-proof Operator's Handbook shall be affixed to the inside of the cab providing operation and maintenance instructions. Cab must provide location for storage of the Operation and Maintenance manual. Weather resistant operator handbook written in English will be located behind passenger seat, providing operational instructions and warnings by decals with pictorials and international symbols plus some messages in four basic languages: English, French, German and Spanish.

## TRAINING RESOURCES

These optional videotapes and training courses are available through Bobcat Parts

### *Bobcat Work Machine Operator Training Course*

4-hour course provides video, classroom and hands-on training (also available in Spanish)

### *Bobcat Work Machine Service Safety Training Course*

2-hour course provides video, classroom and hands-on training

### *Bobcat Work Machine Safety Video*

Short and to-the-point video provides basic safety instructions for the Work Machine

# WARRANTY

## Bobcat Utility Work Machines

Bobcat Company warrants to its authorized dealers and authorized dealers of Bobcat Equipment Ltd., who in turn warrant to the owner, that each new Bobcat utility work machine will be free from proven defects in material and workmanship with respect to (i) all components of the product except as otherwise specified herein for twelve (12) months, (ii) the drive belt from the hydrostatic pump to the engine, for thirty six (36) months, provided that after the initial twelve month warranty period, such warranty shall be limited to parts only and does not include labor, (iii) Bobcat brand tires, for twelve (12) months on a prorated basis based on the remaining depth of the tire at the time any defect is discovered, (iv) Bobcat brand batteries, for an additional twelve (12) months after the initial twelve month warranty period, provided that Bobcat Company shall only reimburse a fixed portion of the cost of replacing the battery during such additional twelve months and (v) auxiliary hydraulic quick couplers for six (6) months or 200 hours, whichever occurs first. For new Bobcat utility work machines sold in the United States or Canada that are equipped with Bobcat Engines, the engine is covered for an additional twelve (12) months after the initial twelve (12) month warranty period, or a total of 2000 hours, whichever occurs first, will apply on machines with a delivery date on or after January 1, 2018. The foregoing time periods shall all commence after delivery by the authorized Bobcat dealer to the original buyer.

During the warranty period, the authorized Bobcat dealer shall repair or replace, at Bobcat Company's option, without charge for parts and labor, any part of the Bobcat product except as otherwise specified herein which fails because of defects in material or workmanship. The owner shall provide the authorized Bobcat dealer with prompt written notice of the defect and allow reasonable time for repair or replacement. Bobcat Company may, at its option, require failed parts to be returned to the factory. Travel time of mechanics and transportation of the Bobcat product to the authorized Bobcat dealer for warranty work are the responsibility of the owner. The remedies provided in this warranty are exclusive.

This warranty does not cover replacement of scheduled service items such as oil, filters, tune-up parts, and other high-wear items. This warranty does not cover damages resulting from abuse, accidents, alterations, use of the Bobcat product with any accessory or attachment not approved by Bobcat Company, air flow obstructions, or failure to maintain or use the Bobcat product according to the instructions applicable to it.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS, EXCEPT THE WARRANTY OF TITLE. BOBCAT COMPANY DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL BOBCAT COMPANY OR THE AUTHORIZED BOBCAT DEALER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, LOSS OR INTERRUPTION OF BUSINESS, LOST PROFITS, OR LOSS OF MACHINE USE, WHETHER BASED ON CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY, STATUTE OR OTHERWISE, EVEN IF BOBCAT COMPANY OR THE AUTHORIZED BOBCAT DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE TOTAL LIABILITY OF BOBCAT COMPANY AND THE AUTHORIZED BOBCAT DEALERS WITH RESPECT TO THE PRODUCT AND SERVICES FURNISHED HEREUNDER SHALL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT UPON WHICH SUCH LIABILITY IS BASED.

