

AGENDA

TUSAYAN TOWN COUNCIL SPECIAL MEETING

PURSUANT TO A.R.S. § 38-431.02 & §38-431.03

Tuesday, December 10, 2013 at 8:00am

TUSAYAN TOWN HALL BUILDING

845 Mustang Drive, Tusayan Arizona

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the members of the Tusayan Town Council and to the general public that the Tusayan Town council will hold a meeting open to the public on Tuesday, December 10, 2013 at the Tusayan Town Hall Building. If authorized by a majority vote of the Tusayan Town Council, an executive session may be held immediately after the vote and will not be open to the public. The Council may vote to go into executive session pursuant to A.R.S. § 38-431.03.A.3 for legal advice concerning any matter on the agenda, including those items set forth in the consent and regular agenda sections. The Town Council may change, in its discussion, the order in which any agenda items are discussed during the course of the meeting.

Persons with a disability may request a reasonable accommodation by contacting the Town Manager at (928) 638-9909 as soon as possible.

As a reminder, if you are carrying a cell phone, electronic pager, computer, two-way radio, or other sound device, we ask that you silence it at this time to minimize disruption of today's meeting.

TOWN COUNCIL SPECIAL MEETING AGENDA

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

2. ROLL CALL

MAYOR GREG BRYAN
VICE MAYOR AL MONTOYA

COUNCILMEMBER BILL FITZGERALD
COUNCILMEMBER JOHN RUETER
COUNCILMEMBER CRAIG SANDERSON

❖ *One or two Council Members may attend by telephone*

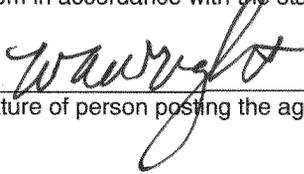
3. ACTION ITEM

Consideration, discussion, and possible action to direct staff to proceed with the purchase of maintenance equipment

4. MOTION TO ADJOURN

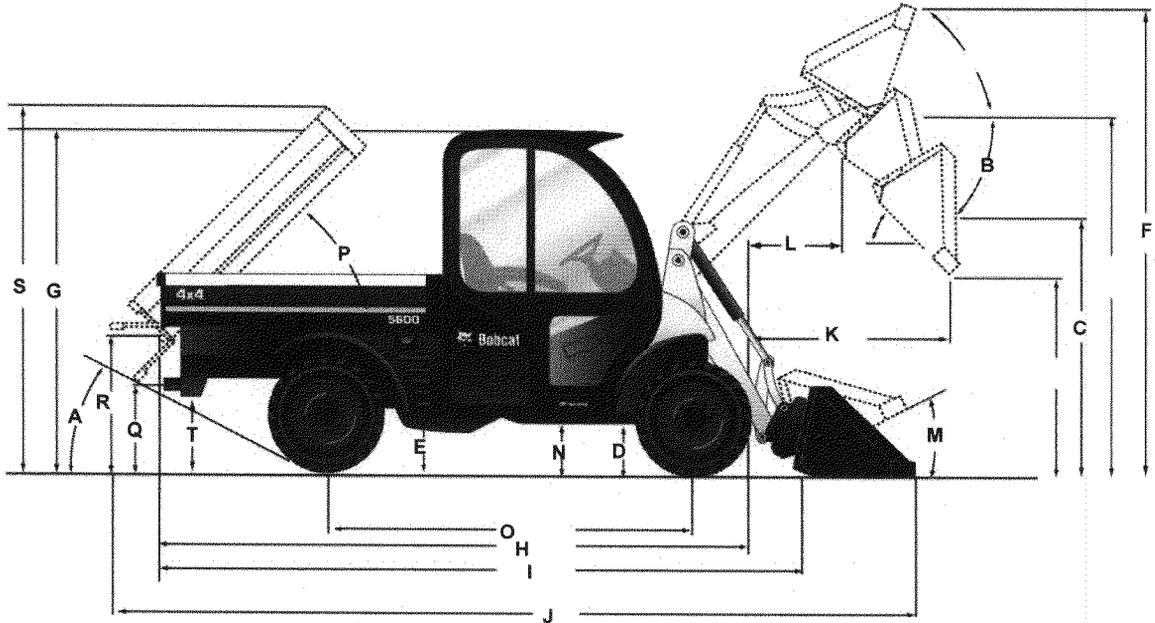
CERTIFICATION OF POSTING OF NOTICE

The undersigned hereby certifies that a copy of the foregoing notice was duly posted at the General Store in Tusayan, Arizona on this 5th day of December 2013, at 1:30 pm in accordance with the statement filed by the Tusayan Town Council.



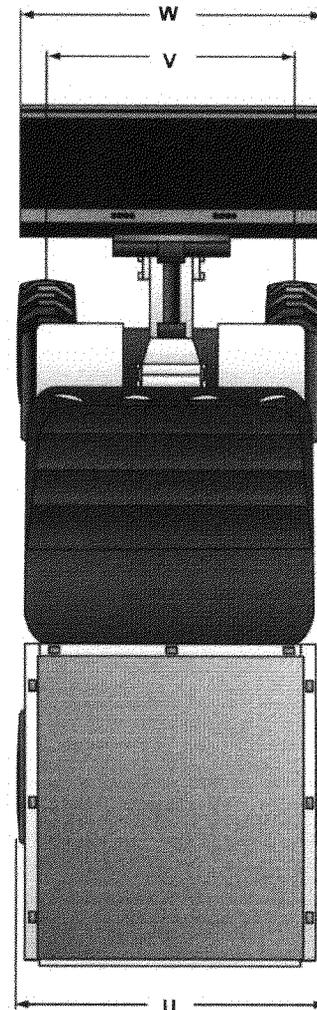
Signature of person posting the agenda

5600 TURBO UTILITY WORK MACHINE SPECIFICATIONS



DIMENSIONS

A. Angle of Departure	36°
B. Dump Angle @ Maximum Height	40°
C. Dump Height	60.4" (1534 mm)
Ground Clearance	
Differentials	9.0" (229 mm)
E. Cab	9.3" (236 mm)
F. Height to Bucket Hinge Pin	84.3" (2141 mm)
G. Height	82.0" (2083 mm)
H. Length without Attachment	144.4" (3668 mm)
I. Length with Standard Bucket	171.4" (4354 mm)
J. Length with Bucket and tailgate down	181.6" (4613 mm)
K. Reach	46.8" (1189 mm)
L. Reach to Hinge Pin	32.4" (823 mm)
M. Rollback @ Ground Level	30°
N. Step-in Height	21.7" (551 mm)
O. Wheelbase	88.0" (2235 mm)
P. Box Dump Angle-fully raised	45°
Q. Box Dump Height-fully raised	26.4" (671 mm)
R. Box Bed Height	37.7" (958 mm)
S. Box Height-fully raised	83.0" (2108 mm)
Box Inside Dimensions	
(LxWxH)	56.0" x 51.0" x 10.0"
(LxWxH)	(1422 x 1295 x 254 mm)
T. Hitch Receiver Height	20.8" (528 mm)
Stake Pocket Size (9)	2.0" x 1.5" (51 x 38 mm)
Turning Diameter in AWS mode	17' 5" (5334 mm)
U. Width (over tires, wheels straight)	
27x10.5-15	60.50" (1524 mm)
V. Wheel Tread	
27x10.5-15	49.5" (1257 mm)
W. Bucket Width	62.0" (1575 mm)



ENGINE/ELECTRICAL

Model	v2607-01-TE3B-BC-3
Fuel/Cooling	Diesel/Liquid
Horsepower (SAE Gross)	61 HP (45.5 kW)
Horsepower (SAE Net)	58 HP (43.3 kW)
Maximum Governed RPM	2900 RPM
Torque (SAE J1349 Net)	143.0 ft-lbs (193.9 Nm) @ 1600 RPM
Number of Cylinders	4
Displacement	158.7cu. in. (2,6 L)
Bore/Stroke	3.425/4.33 in. (87/101 mm)
Fuel Consumption	1.5 gph (5,7 L/h)
	Average fuel consumption is based on testing by Bobcat Company in all duty cycles. Actual consumption could be 1.5 - 3.0 gph depending on use.
Lubrication	Gear Pump Pressure System
Crankcase Ventilation	Closed
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; open
Battery	12 volt; 600 cold cranking amps @ 0°F (-18°C); 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 antiwear multiviscosity, 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)
Cargo Box Cylinders (2)	2.0 in. (50,8 mm)

Rod Diameter

Lift Cylinder (1)	1.5 in. (38,1 mm)
Tilt Cylinder (1)	1.5 in. (38,1 mm)
Cargo Box Cylinders (2)	1.0 in. (25,4 mm)

Stroke

Lift Cylinder (1)	22.89 in. (581,4 mm)
Tilt Cylinder (1)	16.34 in. (415,0 mm)
Cargo Box Cylinders (2)	6.28 in. (159,5 mm)

Hydraulic Function Times

Raise Lift Arms	3.1 Seconds
Lower Lift Arms	2.1 Seconds
Bucket Dump	2.1 Seconds
Bucket Rollback	1.5 Seconds
Box Raise Time	2.2 Seconds
Box Lower Time	2.2 Seconds

PERFORMANCE

Rated Operating Capacity (ISO 14397)	1500 lbs. (680 kg.)
Operating Weight (SAE)	5690 lbs. (2581 kg.)
Travel Speed (Low Range and Work Mode)	0-9 mph (16 km/h)
Travel Speed (High Range)	0-18 mph (29 km/h)
Travel Speed (Reverse)	0-10 mph (16 km/h)

DRIVE SYSTEM

Transmission	Fully hydrostatic, full-time 4-wheel drive
Differentials	Differentials provided in both axles. Rear axle includes a momentary differential lock
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

SUSPENSION

Front and Rear 4-wheel independent

CAPACITIES

Fuel Tank	20 gals. (75,7 L)
Cooling System	12 qts. (11,4 L)
Engine Oil with Filter	8.0 qts. (7,6 L)
Hydraulic Reservoir	3.7 gals. (14 L)
Hydraulic/Hydrostatic System	42 qts. (39,8 L)
Axle Lube	5.5 qts. (5,24 L)

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
Dump Box	Electric switch which controls a 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.

Gauges

Engine Coolant Temperature
Fuel meter

LCD Display

Diagnostic Codes
Hourmeter
Job Clock (resettable)
Speedometer
Tachometer

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

Indicator Lights (Amber)

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

Buttons

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

SHUT-DOWN SYSTEM

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

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

SERVICEABILITY

Cab Screen Access

Battery
Air Conditioner Condenser
Case Drain Hydraulic Filter

Under Box Access

Air Cleaner
Alternator
Engine and Hydraulic Oil Coolers
Engine Oil Filter
Engine Oil Dipstick

Cargo box is equipped with a box support to use while servicing the machine
Removeable 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
In the event the engine cannot run, the cargo box can be raised by hoisting or jacking the front of the box

OPTIONS/ACCESSORIES

Factory Option	Field Kit	
x	x	27x8.5-15 (8 ply) Trac Tires
x	x	27x10.5-15 (10 ply) Turf Tires
x	x	29x10.5 (8 ply) Trac Tires
x	x	29x12.5 (6 ply) Turf Tires
x	x	Cab Enclosure with Heater and Air Conditioning
x		Deluxe Road Package*
x	x	7-Pin Attachment Control Kit
	x	Backup Alarm
	x	Beacon, Rotating
x		Heavy Duty Battery
x		High Flow
	x	Horn Kit
x		Interior Trim Kit
	x	Keyless Start
x		Lower Engine Cover
	x	Mirrors, Rear View & Side
	x	Radio
	x	Rear Window Guard
	x	Rear Work Lights
	x	Road Light Kit
	x	Spray-on Liner (cab floor and hydraulic dump box)
	x	Strobe Light
	x	Wide Fenders
x		Work Lights (Front)

*Deluxe Road package includes backup alarm, turn signals, flashers, tail lights, brake lights, rear view mirror, side mirrors, horn, lower engine guard, rear work light and headlights.

STANDARD FEATURES

Adjustable vinyl cushion seats
 All-wheel steer
 Automatically activated glow plugs
 Auxiliary hydraulics:
 Variable flow with dual direction detent
 Beverage holders
 Bob-Tach™
 Bolt-on box sides with stake pockets
 Boom float
 Cargo box support
 Cruise control
 Driver's side armrest
 Deluxe Operator Canopy* includes:
 front window with wipers, rear window,
 and electrical power port
 Engine and hydraulic monitor with shutdown
 Full-time four-wheel drive
 Horespower management
 Hydraulic dump box
 Instrumentation (See Page 4)
 Joystick controls, manual
 Lift arm stop
 Limited slip transaxle
 Parking brake, automatic
 Power steering with tilt steering wheel
 Quick-latch tailgate
 Radiator screen
 Rear receiver hitch
 Seat belts with shoulder harness
 Spark arrestor muffler
 Suspension, 4-wheel independent
 Tires: 27x10.5-15 (8 ply), Lug Tread
 Toolcat Interlock Control System™ (TICS)
 Two-speed transmission
 Work lights, front

* Roll Over Protective Structure (ROPS)—
 Meets requirements of SAE-J1040 and ISO 3471
 * Falling Object Protective Structure (FOPS)—
 Meets requirements of SAE-J1043 and ISO 3449,
 Level 1

ATTACHMENTS

Angle Broom	Flail Cutter	Scraper	Stump Grinder
Auger	Grader	Seeder	Three-Point Hitch
Bale Fork	Landplane	Snow Blade	Tiller
Box Blade	Landscape Rake	Snow Pusher	Tilt-Tach
Box Scraper	Mower	Snow V-Blade	Trencher
Bucket	Pallet Fork - Standard	Snowblower	Utility Fork
Chipper	Pallet Fork - Hydraulic	Soil Conditioner	Utility/Farm Grapple
Dozer Blade	Rotary Cutter (Brushcat)	Soil Cultivator	Water Kit
Dumping HOPper	Sand/Salt Spreader	Sprayer & Boom	Whisker Push Broom

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 SAE J1040 and ISO 3471 for Roll Over protective Structure (ROPS) and SAE J1043 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
- Cargo Box Support (Std.) Use for servicing machine when cargo box is raised (stored under cargo box)
- 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



Bobcat

Product Quotation

Quotation Number: CMS-22237v1

Date: 2013-12-05 11:35:06

Customer Name/Address:	Bobcat Dealer	Contract Holder/Manufacturer
TOWN OF TUSAYAN Attn: TIM STINE PO BOX 709 TUSAYAN, AZ 86023 Phone: (928) 607-8732	Chuck Flagstaff Equipment 500 NORTH GRANT ST FLAGSTAFF AZ 86004-6010 Phone: (928) 774-1969 Fax: (928) 774-7006	Bobcat Company PO Box 6000 West Fargo, ND 58078 Phone: 701-241-8719 Fax: 701-280-7860 Contact: Crystal Stram crystal.stram@doosan.com

Description	Part No	Qty	Price Ea.	Total
Toolcat 5600 G-Series	M1221	1	\$42,687.85	\$42,687.85
Adjustable Vinyl Seats				
All-Wheel Steer				
Automatically Activated Glow Plugs				
Auxiliary Hydraulics				
• Variable Flow with dual direction detent				
Beverage Holders				
Bob-Tach				
Boom Float				
Cargo Box Support				
Cruise Control				
Deluxe Operator Canopy includes:				
• Front Window, Rear Window ,				
• Front Wipers, and Electrical Power Port				
Lower Engine Guard				
Limited Slip Transaxle				
Engine and Hydraulic Monitor with Shutdown				
Front Work Lights				
Full-time Four-Wheel Drive				
Horsepower Management				
• 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				
Deluxe Road Package	M1221-P01-C01	1	\$1,879.35	\$1,879.35
Cab Enclosure with Heater & Air Conditioning	M1221-R02-C03	1	\$3,937.20	\$3,937.20
High Flow Package	M1221-R03-C02	1	\$1,229.95	\$1,229.95
29 X 10.5 Trac Tire	M1221-R05-C04	1	\$386.75	\$386.75
Keyless Ignition	M1221-R06-C02	1	\$259.25	\$259.25
Heavy Duty Battery	M1221-R07-C02	1	\$68.85	\$68.85
Attachment Control	M1221-R08-C02	1	\$161.50	\$161.50
Power Bob-Tach	M1221-R12-C02	1	\$849.15	\$849.15
Traction Control	M1221-R16-C02	1	\$420.75	\$420.75
Engine Block Heater	M1221-A01-C02	1	\$91.80	\$91.80
Strobe Light	6815259	1	\$275.00	\$275.00
68" General Purpose Bucket	7114586	1	\$623.05	\$623.05
--- Bolt-On Cutting Edge, 68"	7104508	1	\$225.00	\$225.00
Pallet Fork Frame	6712927	1	\$362.10	\$362.10
--- 48" Pallet Fork Teeth	6540182	1	\$322.15	\$322.15

Hydraulic Dump Box
Instrumentation:

- Hourmeter, Job Hours, Speedometer,
- Tachometer, Fuel Guage, Engine
- Temperature Gauge, and Warning Lights

Joystick, Manually Controlled with Lift Arm Float
Lift Arm Support
Parking Brake, automatic
Power Steering with Tilt Steering Wheel
Radiator Screen
Rear Reciever Hitch
Seat Belts, Shoulder Harness
Spark Arrestor Muffler
Suspension, 4-wheel independent
Tires: 27 x 10.5-15 (8 ply), Lug Tread
Toolcat Interlock Control System (TICS)
Two-Speed Transmission
Warranty: 1 Year, Unlimited Hours

Description	Part No	Qty	Price Ea.	Total
SB240 Snowblower - 72" Width	M7005	1	\$5,098.30	\$5,098.30
--- 9.6 Hyd Motor Package (25 - 31 gpm)	M7005-R01-C04	1	\$962.20	\$962.20
Box Blade	6906574	1	\$3,451.85	\$3,451.85
60" Sweeper	6707144	1	\$3,152.65	\$3,152.65

Total of Items Quoted	\$66,444.70
AZ State Tax – 7.6%	\$5,049.80
Quote Total - US dollars	\$71,494.50

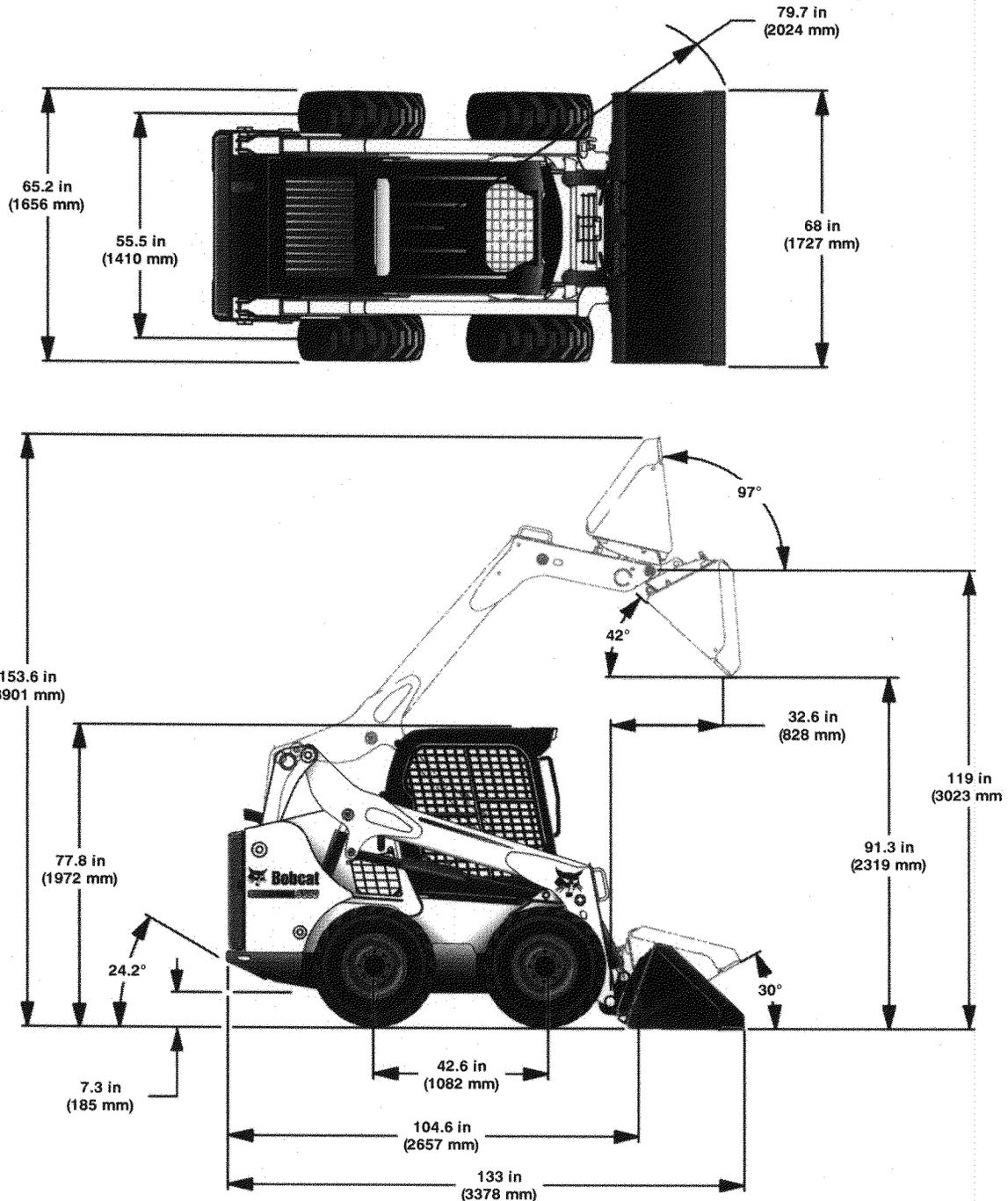
**Prices per the AZ State Contract #ADSP013-035802. Contract Period: Thru 11-07-14*
**Customer must be members of the AZ State cooperative.*
**Terms Net 30 Days. Credit cards accepted.*
**FOB Destination within the State of Arizona*
**Delivery: 90 days or less from ARO.*
**State Sales Taxes apply.*
**TID# 38-0425350*
**Orders Must Be Placed with: Clark Equipment Co, Bobcat Company, Govt Sales, PO Box 6000, West Fargo, ND 58078.*

Prices & Specifications are subject to change. Please call before placing an order. Applies to factory ordered units only.

S590 SKID-STEER LOADER SPECIFICATIONS

Loader Dimensions

- Dimensions are given for loader equipped with standard tires and 68 in. Construction and Industrial bucket and may vary with other bucket types. All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.



Bobcat S590 Skid-Steer Loader Specifications

Performance

Rated Operating Capacity	2100 lb (952 kg)
with 200 Pound Frame Mounted Counterweight Kit	2250 lb (1020 kg)
Tipping Load	4200 lb (1905 kg)
Operating Weight	6735 lb (3054 kg)
Breakout Force - Lift	4540 lb (2059 kg)
Breakout Force - Tilt	4356 lb (1976 kg)
Push Force	5322 lb (2414 kg)
Travel Speed:	
- Single Speed Loader	0 - 7.35 mph (0 - 11,8 km/h)
- Two-Speed Loader (Option):	
Low Range	0 - 7.35 mph (0 - 11,8 km/h)
High Range	0 - 11.02 mph (0 - 17,3 km/h)

Engine

Make / Model	Kubota / V2607-DI-TE3B Interim Tier 4
Fuel / Cooling	Diesel / Liquid
Horsepower:	
- ISO 9249 EEC / SAE J1349 Net	61.0 hp (45,5 kW) @ 2700 rpm
- ISO 14396 Gross	65.0 hp (48,5 kW) @ 2700 rpm
- SAE J1995 Gross	66.0 hp (49,2 kW) @ 2700 rpm
Torque:	
- ISO 9249 EEC / SAE J1349 Net	155.6 ft-lb (211,0 N•m) @ 1425 rpm
- SAE J1995 Gross	161.0 ft-lb (218,0 N•m) @ 1425 rpm
Low Idle rpm	1175 - 1325
High Idle rpm	2760 - 2900
Number of Cylinders	4
Displacement	158.7 in ³ (2600 cm ³)
Bore / Stroke	3.425 in / 4.33 in (87 mm / 110 mm)
Lubrication	Gear Pump Pressure System with Filter
Crankcase Ventilation	Closed Breathing
Air Cleaner	Dry replaceable paper cartridge with separate safety element
Ignition	Diesel - Compression
Air Induction	Turbo-Charged
Engine Coolant	Propylene Glycol / Water Mixture
Starting Aid	Glow Plugs - Automatically activated as needed in RUN position

Bobcat S590 Skid-Steer Loader Specifications

Drive System

Main Drive	Fully hydrostatic, 4-wheel drive
Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Final Drive	Prestressed #80 HSOC endless roller chain (no master link) and sprockets in sealed chaincase with oil lubrication (Chains do not require periodic adjustments) Two chains per side with no idler sprocket
Axle Size	1.98 in (50,29 mm), heat treated
Wheel Bolts	Eight - 9/16 in. wheel bolts fixed to axle hubs

Controls

Vehicle Steering	Direction and speed controlled by two hand operated steering levers or optional joystick(s)
Loader Hydraulics: - Lift and Tilt - Front Auxiliary - Rear Auxiliary (Option)	Controlled by separate foot pedals or optional Advanced Control System (ACS) or optional Selectable Joystick Controls (SJC) Controlled by electrical switch on Right Hand steering lever or joystick Controlled by electrical switch on Left Hand steering lever or joystick
Auxiliary Pressure Release	Pressure relieved through quick couplers; Push couplers in, hold for 5 seconds
Engine	Hand operated speed control, additional foot operated speed control pedal with SJC option; key-type start switch or optional Keyless Start Panel or optional Deluxe Instrumentation Panel and function error shutdown
Starting Aid	Glow plugs automatically activated as needed in RUN position
Service Brake	Two independent hydrostatic systems controlled by two hand operated steering levers or optional joystick(s)
Secondary Brake	One of the hydrostatic transmissions
Parking Brake	Mechanical disc, manually operated switch on left instrument panel

Bobcat S590 Skid-Steer Loader Specifications

Electrical System

Alternator	Belt driven, 90 amperes, open frame
Battery	12 volts, 600 cold cranking amperes @ 00°F (-18°C), 115 minute reserve capacity @ 25 amperes
Starter	12 volts, gear type, 3.62 hp (2,7 kW)
Instrumentation	<p>Gauges: Engine Coolant Temperature and Fuel Level</p> <p>Warning lights: Fuel Level, Seat Belt, Engine Coolant Temperature, Engine Malfunction, Hydraulic System Malfunction, and General Warning</p> <p>Indicators: BICS™ Functions, Two-Speed, 3-Point Restraint, and Turn Signals</p> <p>Data Display: Operating Hours, Engine rpm, **Speed Management Setting, Maintenance Clock Countdown, Battery Voltage, Service Codes, Engine Preheat Countdown, Lift and Tilt Compensation Setting, **Steering Drift Compensation Setting, and **Drive Response Setting</p> <p style="text-align: right;">**SJC Option Only</p> <p>Other: Audible Alarm, Lights, and Option / Accessory Switches</p> <p>Optional Deluxe Instrumentation Panel: *Additional displays for: Engine rpm, Engine Coolant Temperature, Engine Oil Pressure, System Voltage, Hydraulic Fluid Temperature, and Hydrostatic Charge Pressure</p> <p>*Additional Features Included: Keyless Start, Digital Clock, Job Clock, Password Lockout, Multiple-Language Display, Help Screens, Diagnostic Capability, and Engine / Hydraulic Systems Shutdown Function</p>

Capacities

Fuel	24.75 U.S. gal (93,7 L)
Engine Oil with Filter Change	10.25 qt (9,7 L)
Engine Cooling System:	
- with Heater	3.1 U.S. gal (11,7 L)
- without Heater	3.0 U.S. gal (11,4 L)
Hydraulic / Hydrostatic Reservoir	2.0 U.S. gal (7,57 L)
Hydraulic / Hydrostatic System	9.5 U.S. gal (36,0 L)
Chaincase Reservoir	8.5 U.S. gal (32,2 L)

Bobcat S590 Skid-Steer Loader Specifications

Tires

Super Float (Standard)	31 x 12 - 16.5, 10 Ply Rating
Heavy Duty (Option)	10.00 - 16.5, 10 Ply Rating
Heavy Duty Offset (Option)	10.00 - 16.5, 10 Ply Rating
Severe Duty (Option)	10.00 - 16.5, 10 Ply Rating
Severe Duty Poly Fill (Option)	10.00 - 16.5, 10 Ply Rating
Recommended Pressure	Inflate tires to MAXIMUM pressure shown on the sidewall of the tire; DO NOT mix brands of tires used on the same loader