



# **CT660S SBA 6x4**

**Sales Proposal For:**

**Gila County 2\_12\_15**

**Proposal: 344-01**

**Presented By:**

**EMPIRE MACHINERY**

**City of Tucson Contract No. 120377 (NIPA)**



February 12, 2016

Prepared For:  
Gila County 2\_12\_15  
Reference ID: N/A

Presented By:  
EMPIRE MACHINERY  
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We are pleased to have the opportunity to offer the following proposal for the application you requested.

**Model Profile**  
2015 CT660S SBA 6x4 (CF7AA)

<b>APPLICATION:</b>	Roll-On/Roll-off
<b>MISSION:</b>	Requested GVWR: 62000. Calc. GVWR: 64000 Calc. Start / Grade Ability: 30.02% / 2.18% @ 55 MPH Calc. Geared Speed: 91.4 MPH
<b>DIMENSION:</b>	Wheelbase: 246.00, CA: 184.00, Axle to Frame: 55.00
<b>ENGINE, DIESEL:</b>	{CT 13} EPA 10, SCR, 430 HP @ 1700 RPM, 1550 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 430 Peak HP (Max)
<b>TRANSMISSION, AUTOMATIC:</b>	{Caterpillar CX31} 1st Generation Controls; 8 Speed, Includes Oil Level Sensor, with PTO Provision, for ON/OFF Highway
<b>CLUTCH:</b>	Omit Item (Clutch & Control)
<b>AXLE, FRONT NON-DRIVING:</b>	{Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity
<b>AXLE, REAR, TANDEM:</b>	{Meritor RT-46-160} Single Reduction 46,000-lb Capacity, 200 Wheel Ends Gear Ratio: 4.56
<b>CAB:</b>	Conventional
<b>TIRE, FRONT:</b>	(2) 385/65R22.5 G296 MSA (GOODYEAR) 488 rev/mile, load range J, 18 ply
<b>TIRE, REAR:</b>	(8) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply
<b>SUSPENSION, REAR, TANDEM:</b>	{Hendrickson HMX-460-54} Walking Beam Type 54" Axle Spacing; 46,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers
<b>FRAME REINFORCEMENT:</b>	Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 12.65" x 3.50" x 0.25"(321.0mm x 88.9mm x 6.35mm); 445.4" (11313mm) Maximum OAL
<b>PAINT:</b>	Cab schematic 100KT Location 1: 9219, Winter White (Std) Chassis schematic 931KT Frame: 0033,



## Vehicle Specifications

February 12, 2015

### 2015 CT660S SBA 6x4 (CF7AA)

<u>Code</u>	<u>Description</u>
CF7AA00	Base Chassis, Model CT660S SBA 6x4 with 246.00 Wheelbase, 184.00 CA, and 55.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1652	CROSSMEMBER, REAR Relocated to End of Frame
1DAV	FRAME RAILS High Strength Heat Treated Alloy Steel (120,000 PSI Yield); 12.00" x 3.25" x 0.25" (304.8mm x 82.6mm x 6.35mm); 478.1" (12143mm) Maximum OAL
1GDL	FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 12.65" x 3.50" x 0.25" (321.0mm x 88.9mm x 6.35mm); 445.4" (11313mm) Maximum OAL
1LBC	BUMPER, FRONT Multi-piece Stainless Steel
	<u>Includes</u> : FOG LIGHT OPENING (2) and with Rectangular Hole for Step
1WWT	WHEELBASE RANGE 230" (585cm) Through and including 285" (725cm)
2ARZ	AXLE, FRONT NON-DRIVING (Meritor MFS-18-133A) Wide Track, I-Beam Type, 18,000-lb Capacity
3AGA	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 20,000-lb Capacity; With Shock Absorbers
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : DUST SHIELDS, FRONT BRAKE : DUST SHIELDS, REAR BRAKE : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : INVERSION VALVE Bendix SR-1 and Double Check Valve : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SLACK ADJUSTERS, FRONT Automatic : SLACK ADJUSTERS, REAR Automatic : SWITCH, AUXILIARY Interrupter for Cab Clearance/Marker Lights (Blinks Lights with Headlight Switch in "ON" Position); Instrument Panel Mounted
	<u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear, Special Rating, GAWR; Wheels; Tires.
4193	BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers
4619	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck
	<u>Includes</u> : INVERSION VALVE Bendix SR-1 and Double Check Valve
4732	DRAIN VALVE (Berg) Manual, With Pull Chain, for Air Tank
	<u>Includes</u> : DRAIN VALVE Mounted in Wet Tank
4AZA	AIR BRAKE ABS (Bendix AntiLock Brake System) Full Vehicle Wheel Control System (4-Channel)
4EBS	AIR DRYER (Bendix AD-9) With Heater
	<u>Includes</u> : AIR DRYER LOCATION Inside Left Rail, Back of Cab
4ETE	BRAKE CHAMBERS, FRONT AXLE (Haldex) 24 SqIn



Vehicle Specifications

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**2015 CT660S SBA 6x4 (CF7AA)**

<b>Code</b>	<b>Description</b>
4EVL	BRAKE CHAMBERS, REAR AXLE {Haldex GC3030LHDHO} 30/30 Spring Brake
4NDB	BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
4SPM	AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder
5710	STEERING COLUMN Tilting and Telescoping
5PTB	STEERING GEAR (2) {Sheppard M-100/M-80} Dual Power
5WBH	STEERING WHEEL {Caterpillar} 2-Spoke, 18" Diam., Dark Neutral, Leather Wrapped
7BJU	EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe & Guard, Right Side, Cab Mounted
7SDD	ENGINE COMPRESSION BRAKE {Jacobs} for CT 11 & CT 13 Engines, With Selector Switch and On/OFF Switch
7WBA	TAIL PIPE (1) Turnback Type, Bright, for Single Exhaust
7WZY	SWITCH, FOR EXHAUST 2 Position, Lighted & Latching, ON/OFF Type, Mounted in IP, Inhibits Diesel Particulate Filter Regeneration as Long as Switch is in ON Position
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u>
	: BATTERY BOX Aluminum
	: CIGAR LIGHTER Includes Ash Cup, Center Console Mounted
	: FUSES, ELECTRICAL SAE Blade-Type
	: HAZARD SWITCH Integral with Turn Signal Switch
	: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
	: HEADLIGHTS (2) Composite with Halogen Projector Beam
	: HORN, AIR Single, Chrome
	: HORN, ELECTRIC Single
	: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
	: READING LIGHT, CAB (2) with Individual Switches; One Above Each Door
	: STARTER SWITCH Electric, Key Operated
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
	: TURN SIGNAL FLASHER
	: TURN SIGNAL SWITCH Manual Cancelling with Lane Change Feature
	: TURN SIGNALS, FRONT Includes Integral Reflectors and Side Marker Lights; Fender Mounted
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature, Steering Column Mounted
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	: WIRING, CHASSIS Color Coded and Continuously Numbered
8554	TRAILER CONNECTION SOCKET 7-Way; Mounted at Rear of Frame
8653	HORN, AIR Single, Located Under Cab
8718	POWER SOURCE Cigar Type Receptacle without Plug and Cord
8ACE	BEACON LIGHT WIRING for (2) Customer Installed Beacon
8GGN	ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount
8HAE	BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/ Accessory Power/Ground and Sealed Connector for Stop/Turn
8MMJ	BATTERY SYSTEM {Caterpillar} (3) 12 Volt 2130CCA Total
8RMA	RADIO AM/FM/WB/Clock/Bluetooth/USB Input/3MM Auxiliary Input, MP3, Apple Device Play & Control, Bluetooth for Phone & Music, with Multiple Speakers



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**2015 CT660S SBA 6x4 (CF7AA)**

<u>Code</u>	<u>Description</u>
8RMG	ANTENNA BASE (2) Single Function, (1) for CB and (1) for Entertainment Radio, Without Splitter, Separate Lead-Ins, With CB Antenna Mounted on Left Mirror and AM/FM Antenna Mounted on Right Mirror
8VUK	BATTERY BOX Aluminum With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab
8WCK	POWER SOURCE, TERMINAL TYPE 2-Post
8WDG	BACK-UP ALARM {Preco 1059} Electronic; Solid State, Dual Function, 112 dBA
8WEZ	TURN SIGNAL SWITCH Self-Canceling
8WNH	RUNNING LIGHT (2) Daytime
8WVG	STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
8XCV	TOGGLE SWITCH, AUXILIARY (4) with Four 20-Amp Fuses/Circuit Breakers
9ASE	FRONT END Tilting Composite
	<u>Includes</u> : GRILLE SURROUND Brushed Stainless Steel
9HAN	INSULATION, UNDER HOOD for Sound Abatement
9HBN	INSULATION, SPLASH PANELS for Sound Abatement
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
10631	PAINT IDENTITY, PT-2 Single Color, Instruction No. 931. Frame/Running Gear & Fuel Tank (Aluminum Tank Will Not Be Painted)
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
10WJM	GCWR RANGE , GCWR Equal to or Less than 66,000-lb, for Transmission Application Validation
11001	CLUTCH Omit Item (Clutch & Control)
12KXR	ENGINE, DIESEL {CT 13} EPA 10, SCR, 430 HP @ 1700 RPM, 1550 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 430 Peak HP (Max)
12THT	FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed
12UND	FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015; CT13 Engines
12VBT	AIR CLEANER Single Element, Heavy Duty
12WBR	FAN OVERRIDE Manual; With Electric Switch on Instrument Panel, (Fan On With Switch On)
12WCX	HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type
12WEG	COLD STARTING EQUIPMENT Automatic; With Engine ECM Control
12WTA	FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted
12WZB	EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood
12XAV	RADIATOR Aluminum; Welded, Front to Back Down Flow System, 1429 SqIn, 740 SqIn CAC, 1089 SqIn 3 Core LTR
13CZZ	TRANSMISSION, AUTOMATIC {Caterpillar CX31} 1st Generation Controls; 6 Speed, Includes Oil Level Sensor, with PTO Provision, for ON/OFF Highway



Vehicle Specifications

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**2015 CT660S SBA 6x4 (CF7AA)**

<u>Code</u>	<u>Description</u>
	<u>Includes</u> : OIL FILTER, TRANSMISSION Mounted on Transmission : TRANSMISSION OIL PAN Magnet in Oil Pan
13WCU	OIL COOLER, AUTO TRANSMISSION (Modine) Remote Mounted; For Use With Automatic Transmission Less Retarder
13WLM	TRANSMISSION OIL Synthetic; 63 thru 76 Pints
13WVD	PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Control Valve, Piping and Wiring, Wired for PTO
14862	PDL WARNING BUZZER Power Divider Lock
14GRD	AXLE, REAR, TANDEM (Meritor RT-46-160) Single Reduction 46,000-lb Capacity, 200 Wheel Ends . Gear Ratio: 4.56 <u>Includes</u> : POWER DIVIDER LOCK Air Operated, Cab Control with Indicator Light in Cluster : REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle
14JULY	SUSPENSION, REAR, TANDEM (Hendrickson HMX-460-54) Walking Beam Type 54" Axle Spacing; 46,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers <u>Includes</u> : CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone <u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.
14WAL	SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions
14WBV	SHOCK ABSORBERS, REAR (4) for Hendrickson HMX Suspension Only, Mounted from Frame to Beam
14WLT	AXLE, PUSHER, LIFT TYPE, ID Customer Installed Pusher Type Axle; Nothing Installed at Manufacturing Plant
15DYP	DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab
15LKU	FUEL/WATER SEPARATOR (Racor) Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor
15SSL	FUEL TANK Polished Aluminum, 24" Diam., 80 U.S. Gal., 302 L Capacity Mounted Left Side Under Cab
16031	CAB Conventional <u>Includes</u> : COAT HOOK, CAB Located on Rear Wall, Behind Passenger Seat : CONSOLE, CENTER Plastic, Driver Convenience with a Cup and Change Holder, Ash Tray and Lower Storage Area : DOME LIGHT, CAB (2) Driver and Passenger Dome Lights with Individual Switches, in Headliner : DOOR CHECK STRAP (2) One Each Door : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, EXTERIOR (2) Mounted Behind Driver and Passenger Doors : INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color : SKIN Riveted : STEP (4) Two Steps Per Door
16HBA	GAUGE CLUSTER English With English Electronic Speedometer
16HGL	GAUGE, OIL TEMP, REAR AXLE
16HKB	GAUGE, MANIFOLD PRESSURE Data Link Driven; Mounted in Instrument Panel, Includes Controller Module



Vehicle Specifications

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**2015 CT660S SBA 6x4 (CF7AA)**

<u>Code</u>	<u>Description</u>
16JPD	SEAT, DRIVER (National 2000 Model 195) Air Suspension, High Back, Vinyl Boxing With Cloth Facing, 2 Arm Rests, Isolator, Adjuster, 3 Chamber Lumbar, 6 Position Front Cushion Adjust, 3 Position Rear Cushion Adj, 2-15 Degree Back Angle Adjust, Vinyl Suspension Cover
16RAN	SEAT, PASSENGER (National 2000 Model 192) Non Suspension, High Back, Vinyl Boxing With Cloth Facing, 11 Degree Back Angle Adjust
16SKT	MIRRORS (2) (Lang Melra) Aero; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Thermostatically Controlled Heated Heads, Amber Lens Clearance Light LED, Turn Signals, Black Painted Finish Heads Brackets & Arms
16UZJ	STORAGE, CAB INTERIOR Storage Pocket, Located on Back Wall Between Driver and Passenger Seats
16VRT	HEATER, ENHANCED CIRCULATION (Bergstrom) Control, for Extreme Cold Weather Climates
16VTH	CAB INTERIOR TRIM Premium Level; for Caterpillar, Day Cab
	<u>Includes</u>
	: "A" PILLAR COVER Molded Plastic
	: CAB INTERIOR TRIM PANELS Vinyl
	: CONSOLE, OVERHEAD Molded Plastic with Three Storage Pockets; One with Strap for CB Radio Mounting; Two with Netting, Courtesy Lights with Switches
	: COURTESY LIGHT (2) Driver and Passenger Door Mounted
	: DOOR TRIM PANELS Vinyl Upper with Power Locks and Windows, Upper and Lower Grab Handles, Both Sides
	: FLOOR COVERING Rubber, Black
	: HEADLINER Soft Padded Vinyl
	: HEATER BOX Metal, Painted Black
	: INSTRUMENT PANEL TRIM Vinyl
	: MIRROR, CONVEX, LOOK DOWN Black Finish; 6" x 10-1/4"; Located on Passenger Side
	: STORAGE POCKET, DOOR (2) Driver and Passenger Door
	: SUN VISOR (2) Vinyl with Molded Toll Ticket Retainer
16VZA	WINDOW, REAR 52.25" Wide
16WAK	WINDOW, POWER (2) in Left and Right Doors
16WJG	CAB DOOR LOCKS Power
16WKB	AIR CONDITIONER (International Blend-Air) With Integral Heater & Defroster
16WKR	WINDSHIELD Single Piece
16WLD	CAB REAR SUSPENSION (Link Z9079D1) Dual Frame Mounted Cab Rear Air Suspension; Includes Special Crossmember Assembly
16XWD	SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights
16ZHD	GRAB HANDLE Exterior; Towel Bar Type, with Anti-Slip Rubber Inserts, In Lieu of Standard Grab Handles, for Use with Cab Access, Without Frame Access or Chassis Skirts, Conventional
27DHZ	WHEELS, FRONT DISC; 22.5" Polished Aluminum, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 12.25 DC Rims; With Aluminum Hubs
28DMG	WHEELS, REAR DUAL DISC; 22.5" Polished Aluminum, 10-Stud (285.75mm BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Aluminum Hubs
7372138107	(8) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply
7702858113	(2) TIRE, FRONT 385/65R22.5 G296 MSA (GOODYEAR) 488 rev/mile, load range J, 18 ply



Vehicle Specifications:

February 12, 2015

**2015 CT660S SBA 6x4 (CF7AA)**

Code

1

Description

1 Each Galbreath Model U5-OR-174 60000lb 22' Outside Rail Roll Off  
Air Shift PTO  
Tandem Poly Fenders  
Inside Air Controls  
Hoist Up Alarm  
Integrated Tarp Controls  
Air Operated Folding ICC Bumper  
36" Tool Box  
Ratchet Style Rear Hold Downs  
Wet Kit To Pull Dead Pup Trailer

183" Clear Cab To Trunnion Required Chassis Dealer To Furnish Air and Electric To Frame End

1 Each Pioneer Model RP4500SARG Tarp Assy.



Body Allied/Equipment

February 12, 2015

2015 CT660S SBA 6x4 (CF7AA)  
(US DOLLAR)

Description

Price

1 Each Galbreath Model U5-OR-174 60000lb 22' Outside Rail Roll Off  
Air Shift PTO  
Tandem Poly Fenders  
Inside Air Controls  
Hoist Up Alarm  
Integrated Tarp Controls  
Air Operated Folding ICC Bumper  
36' Tool Box  
Ratchet Style Rear Hold Downs  
Wet Kit To Pull Dead Pup Trailer

\$45,050.00

183" Clear Cab To Trunnion Required Chassis Dealer To Furnish Air and Electric To Frame  
End

1 Each Pioneer Model RP4500SARG Tarp Assy.

Total Body Allied/Equipment: \$45,050.00



Financial Summary

February 12, 2015

**2015 CT660S SBA 6x4 (CF7AA)  
(US DOLLAR)**

<u>Description</u>		<u>Price</u>
<b>Factory List Prices:</b>		
Product Items	\$192,618.68	
Service Items	\$0.00	
<b>Total Factory List Price Including Options:</b>		<b>\$192,618.68</b>
Freight	\$2,125.00	
<b>Total Freight:</b>		<b>\$2,125.00</b>
<b>Total Factory List Price Including Freight:</b>		<b>\$194,743.68</b>
Less Customer Allowance:		(\$58,923.90)
<b>Total Vehicle Price:</b>		<b>\$135,819.78</b>
<b>Total Body/Allied Equipment:</b>		<b>\$45,050.00</b>
<b>Total Sale Price:</b>		<b>\$180,869.78</b>
<b>Total Per Vehicle Sales Price:</b>		<b>\$180,869.78</b>
<b>Total Net Sales Excluding Taxes:</b>		<b>\$180,869.78</b>
Maricopa County	\$0.00	
Mesa	\$0.00	
Doc Fee	\$225.00	
<b>Total Taxes:</b>		<b>\$225.00</b>
<b>Net Sales Price:</b>		<b>\$181,094.78</b>

In accordance with our discussion, we are pleased to submit the following confirmation of our verbal quote. We propose to furnish this equipment at the attached quoted price.

Thank you for the opportunity of quoting this project. Our Dealership remains at your disposal for any additional information or assistance that you may require.

**Approved by Seller:**

**Accepted by Purchaser:**

Account Manager 2/12/2015

Official Title and Date

Authorized Signature

Firm or Business Name

Authorized Signature and Date

**This proposal is not binding upon the seller without Seller's Authorized Signature**

Official Title and Date

**No Reliance on Tax information. Neither Caterpillar nor its suppliers are responsible for verifying the correctness of all tax computation methods and data. The retailer or other user should perform this verification.**

**All terms and conditions of City of Tucson Contract No. 120377 apply**



**Turning Radius Summary**

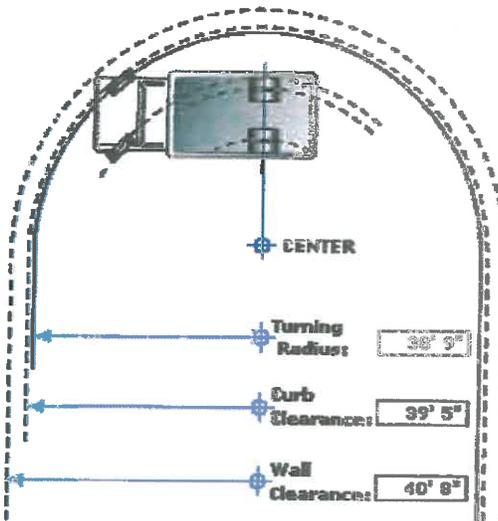
February 12, 2015

**2015 CT660S SBA 6x4 (CF7AA)**

Series: CAT  
 Model: CF7AA  
 Description: CT660S SBA 6x4  
 Model Year: 2015

**Calculation Factors**

Wheelbase: 246  
 Front Axle: 0002ARZ  
 Description: AXLE, FRONT NON-DRIVING, (Meritor MFS-18-133A) Wide Track, I-Beam Type, 18,000-lb Capacity  
 Front Wheel: 0027DHZ  
 Description: WHEELS, FRONT, DISC; 22.5" Polished Aluminum, 10-Stub (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 12.25 DC Rims; With Aluminum Hubs  
 Front Tire: 07702658113  
 Description: TIRES, 385/65R22.5 G296 MSA (GOODYEAR) 488 rev/mile, load range J, 18 ply  
 Steering Gear: 0005PTB  
 Description: STEERING GEAR, (2) (Sheppard M-100MM-80) Dual Power



**Turning Radius Statistics**

**General Information**

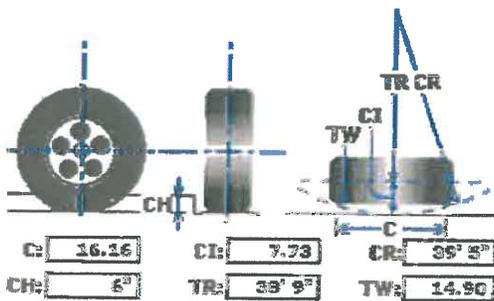
Inside Turn Angle: 38 Degrees  
 Radial Overhang: 23

**Axle Information**

KingPin Inclination: 6.25 Degrees  
 KingPin Center: 71

**Turning Radius - Curb View**

C - Curb Contact Length: 16.16  
 CI - Curb Clearance Increment: 7.73  
 CR - Curb Clearance Radius: 39' 5"  
 CH - Curb Height: 6"  
 TR - Turning Radius: 38' 9"  
 TW - Tire Width: 14.90



\* All Measurements are in inches, unless otherwise specified.

This information is based on engineering information available at this time. Actual figures may vary. Neither Caterpillar nor its suppliers can accept liability for consequences due to this variance.