

# Caterpillar Standard Features

## Bid Invitation #HT06-16

The following descriptions are the standard features, as pulled from the Caterpillar *TOPS* quote system, June 15, 2015. Offeror shall price these complete trucks in their entirety, on Form-D, reflecting the entire complement of the base vehicle specification's standard features listed herein, as well as all normal dealer make-ready and factory-to-dealer destination charges. Except as ordered by an H-GAC member (e.g. axle upgrade, longer wheelbase, et cetera), the base units described herein and priced on Form-D shall not require any additional compulsory components, fees, or services to render them complete, functional, and legal cab-chassis. All Form-D line items shall be priced inclusive of air conditioning.

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### **H-GAC Product Code: B1**

#### **CT660S-STA 6x4 (CF7AA) – Truck Configuration (116" BBC)**

##### **Model Profile**

##### **2016 CT660S SBA 6x4 (CF7AA)**

**APPLICATION:** Utility/Service (Other)

**MISSION:** Requested GVWR: 52300. Calc. GVWR: 52350

Calc. Start / Grade Ability: 21.20% / 2.45% @ 55 MPH

Calc. Geared Speed: 82.4 MPH

**DIMENSION:** Wheelbase: 177.00, CA: 115.00, Axle to Frame: 53.00

**ENGINE, DIESEL:** {CT 13} EPA 2010, SCR, 365 HP @ 1700 RPM, 1250 lb-ft Torque @ 1000 RPM, 2100 RPM

Governed Speed, 365 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic,

15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 3.08

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

**PAINT:** Cab schematic 100KT

Location 1: 9221, Light Cameo White (Prem)

Chassis schematic N/A

##### **1 Proposal: 1267-01**

##### **Code Description F/R Wt Tot Wt**

(lbs) (lbs)

CF7AA00 Base Chassis, Model CT660S SBA 6x4 with 177.00 Wheelbase, 115.00 CA, and 53.00 Axle to Frame.

9385/6587 15972

1652 CROSSMEMBER, REAR Relocated to End of Frame -22/103 81

1CDH FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x

0.375" (304.8mm x 85.6mm x 9.5mm); 543.0" (13793mm) Maximum OAL

78/78 156

1LBC BUMPER, FRONT Multi-piece Stainless Steel 0/0 0

Includes

: FOG LIGHT OPENING (2) and with Rectangular Hole for Step

1WVR WHEELBASE RANGE 138" (350cm) Through and Including 181" (460cm) 0/0 0

2ASG AXLE, FRONT NON-DRIVING {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

0/0 0

3ACH SUSPENSION, FRONT, SPRING Multileaf, Shackle Type; 14,000-lb Capacity;

With Shock Absorbers

0/0 0

Includes

: SPRING PINS Threaded

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications 0/0 0

Includes

: 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

#### Notes

: 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

115/0 115

4619 TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck

2/0 2

Includes

: INVERSION VALVE Bendix SR-1 and Double Check Valve

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank 0/0 0

Includes

: DRAIN VALVE Mounted in Wet Tank

#### Vehicle Specifications

**2016 CT660S SBA 6x4 (CF7AA)**

**2 Proposal: 1267-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

4AZA AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)

0/0 0

4EBS AIR DRYER {Bendix AD-9} With Heater 0/0 0

Includes

: AIR DRYER LOCATION Inside Left Rail, Back of Cab

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake 0/0 0

4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn 0/0 0

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

0/0 0

4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder

0/0 0

4WCC BRAKE PACKAGE, FRONT {Dana Spicer ES-165-6} Air, Cam Type, Extended Service; Size 16.5" x 6", Includes Automatic Slack Adjusters

0/0 0

4WCD BRAKE PACKAGE, REAR {Dana Spicer ES-165-7} Air, Cam Type, Extended Service; Size 16.5" x 7", Includes Automatic Slack Adjusters

0/0 0

5710 STEERING COLUMN Tilting and Telescoping 0/0 0

5PSA STEERING GEAR {Sheppard M-100} Power 0/0 0

5WBH STEERING WHEEL {Caterpillar} 2-Spoke, 18" Diam., Dark Neutral, Leather Wrapped

0/0 0

7BJU EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe & Guard, Right Side, Cab Mounted

0/0 0

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment 0/0 0

Includes

: 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 1/5 6
- 8653 HORN, AIR Single, Located Under Cab 5/0 5

#### **Vehicle Specifications**

**2016 CT660S SBA 6x4 (CF7AA)**

**3 Proposal: 1267-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord 0/0 0

8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount 0/0 0

8MMJ BATTERY SYSTEM {Caterpillar} (3) 12 Volt 2130CCA Total 0/0 0

8RMD RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers 1/0 1

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  
0/0 0

8VUK BATTERY BOX Aluminum With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity,  
Mounted Right Side Back of Cab  
0/0 0

8WCK POWER SOURCE, TERMINAL TYPE 2-Post 0/0 0

8WEZ TURN SIGNAL SWITCH Self-Canceling 0/0 0

8WNH RUNNING LIGHT (2) Daytime 0/0 0

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with  
Soft-Start  
0/0 0

9ASE FRONT END Tilting Composite 0/0 0

Includes

: GRILLE SURROUND Brushed Stainless Steel

9HAN INSULATION, UNDER HOOD for Sound Abatement 0/0 0

9HBN INSULATION, SPLASH PANELS for Sound Abatement 0/0 0

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100 0/0 0

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone 0/0 0

10769 PAINT CLASS Premium Color 0/0 0

11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast  
Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type  
Control, 1700 lb-ft Torque Capacity  
0/0 0

Includes

: CLUTCH RELEASE BEARING Greasable

12KXL ENGINE, DIESEL {CT 13} EPA 2010, SCR, 365 HP @ 1700 RPM, 1250 lb-ft  
Torque @ 1000 RPM, 2100 RPM Governed Speed, 365 Peak HP (Max)  
0/0 0

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual  
Torque Device for Disengaged Fan Speed  
0/0 0

12UND FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015;  
CT13 Engines  
0/0 0

12VBT AIR CLEANER Single Element, Heavy Duty 0/0 0

12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type 0/0 0

12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control 0/0 0

12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects,  
Engine Mounted  
0/0 0

12WZJ EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal located on Driver Door

0/0 0

**Vehicle Specifications**

**2016 CT660S SBA 6x4 (CF7AA)**

**4 Proposal: 1267-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

12XAV RADIATOR Aluminum; Welded, Front to Back Down Flow System, 1429 SqIn, 740 SqIn CAC, 1099 SqIn 3 Core LTR

0/0 0

13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift 0/0 0  
Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

13WLB TRANSMISSION OIL {EmGard 50W} Synthetic; 22 thru 33.99 Pints 0/0 0

14GVU AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump . Gear Ratio: 3.08

0/0 0

Includes

: POWER DIVIDER LOCK Air Operated, Cab Control with Indicator Light in Cluster

: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle

14ULX SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

0/0 0

Includes

: CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone

Notes

: 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

0/0 0

14WBV SHOCK ABSORBERS, REAR (4) for Hendrickson HMX Suspension Only, Mounted from Frame to Beam

0/31 31

14WMJ AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints 0/0 0

15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab

0/0 0

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor

0/0 0

15SJZ FUEL TANK Top Draw; Non-Polished Aluminum, 26" Diam., 80 U.S. Gal., 302 L Capacity Mounted Left Side, Under Cab

24/-23 1

16031 CAB Conventional 0/0 0

Includes

: 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

**Vehicle Specifications**

**2016 CT660S SBA 6x4 (CF7AA)**

**5 Proposal: 1267-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

: STEP (4) Two Steps Per Door

16400 SEAT, PASSENGER Omit Item 0/0 0  
 16HBA GAUGE CLUSTER English With English Electronic Speedometer 0/0 0  
 16JPC SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All Vinyl, 2 Arm Rests, Isolator, 7" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 3 Position Rear Cushion, 2-15 Degree Back Angle Adjust, Vinyl Suspension Cover  
 0/0 0  
 16SKS MIRRORS (2) {Lang Mekra} Aero; Rectangular, Thermostatically Controlled Heated Head, Amber Lens Clearance Lights LED, Black Painted Finish Heads, Brackets & Arms, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing  
 0/0 0  
 16VRT HEATER, ENHANCED CIRCULATION {Bergstrom} Control, for Extreme Cold Weather Climates  
 0/0 0  
 16VTH CAB INTERIOR TRIM Premium Level; for Caterpillar, Day Cab 0/0 0  
 Includes  
 : "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 0/0 0  
 16WAK WINDOW, POWER (2) in Left and Right Doors 0/0 0  
 16WJG CAB DOOR LOCKS Power 0/0 0  
 16WKB AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster 0/0 0  
 16WKR WINDSHIELD Single Piece 0/0 0  
 16WLD CAB REAR SUSPENSION {Link Z9079D1} Dual Frame Mounted Cab Rear Air Suspension; Includes Special Crossmember Assembly  
 0/0 0  
 16XWD SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights  
 0/0 0  
 27DMA WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs  
 0/0 0  
 Includes  
 : PAINT IDENTITY, FRONT WHEELS White  
**Vehicle Specifications**  
**2016 CT660S SBA 6x4 (CF7AA)**  
**6 Proposal: 1267-01**  
**Code Description F/R Wt Tot Wt**  
 (lbs) (lbs)  
 28DMA WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs  
 0/0 0  
 Includes  
 : PAINT IDENTITY, REAR WHEELS White  
 7372135415 (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply  
 0/0 0  
 7372135415 (8) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply  
 0/0 0  
**Total Component Weight: 9589/6781 16370**

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**H-GAC Product Code: B2**  
**CT660S-STA 6x4 (CF7AA) – Tractor Configuration (116" BBC)**

**Model Profile**

**2016 CT660S SBA 6x4 (CF7AA)**

**APPLICATION:** On-Off Highway Tractor - General

**MISSION:** Requested GCWR: 80000. Calc. GVWR: 52350

Calc. Start / Grade Ability: 14.22% / 1.40% @ 55 MPH

Calc. Geared Speed: 79.0 MPH

**DIMENSION:** Wheelbase: 177.00, CA: 115.00, Axle to Frame: 57.00

**ENGINE, DIESEL:** {CT 13} EPA 2010, SCR, 365 HP @ 1700 RPM, 1250 lb-ft Torque @ 1000 RPM, 2100 RPM

Governed Speed, 365 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FRO-14210C} 10-Speed Manual, With Overdrive, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 4.33

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

**PAINT:** Cab schematic 100KT

Location 1: 9221, Light Cameo White (Prem)

Chassis schematic N/A

**1 Proposal: 1268-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

CF7AA00 Base Chassis, Model CT660S SBA 6x4 with 177.00 Wheelbase, 115.00 CA, and 57.00 Axle to Frame.

9385/6587 15972

1616 FRAME RAILS WITH TAPERED REAR -8/42 34

1CDH FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 543.0" (13793mm) Maximum OAL

72/98 170

1LBC BUMPER, FRONT Multi-piece Stainless Steel 0/0 0

Includes

: FOG LIGHT OPENING (2) and with Rectangular Hole for Step

1WVR WHEELBASE RANGE 138" (350cm) Through and Including 181" (460cm) 0/0 0

2ASG AXLE, FRONT NON-DRIVING {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

0/0 0

3ACH SUSPENSION, FRONT, SPRING Multileaf, Shackle Type; 14,000-lb Capacity; With Shock Absorbers

0/0 0

Includes

: SPRING PINS Threaded

4092 BRAKE SYSTEM, AIR Dual System for Tractor Applications 12/3 15

Includes

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Twist-Type

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: GLAD HANDS (2) One for Service and One for Emergency; Trailer Hoses from Cab

: HAND CONTROL VALVE, AIR Mounted on Steering Column

: HOSE TENDER Back of Cab Mounted

: PARKING BRAKE CONTROL Yellow and Red Knobs, Located on Instrument Panel

: PARKING BRAKE VALVE Combination Valve for Tractor and Trailer

: QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for Forward Rear Axle

: SLACK ADJUSTERS, FRONT Automatic

: SLACK ADJUSTERS, REAR Automatic

: SWITCH, AUXILIARY Interrupter for Cab and Trailer Clearance/Marker Lights

(Blinks Lights with Headlight Switch in "ON" Position); Instrument Panel Mounted

: TRACTOR PROTECTION VALVE  
: TRAILER HOSES AND CABLES 15' Coiled Lighting Cable with 7-Way Connector  
and with 15' Coiled Nylon Brake Hose

Notes

: 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

115/0 115

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank 0/0 0

Includes

: DRAIN VALVE Mounted in Wet Tank

**Vehicle Specifications**

**2016 CT660S SBA 6x4 (CF7AA)**

**2 Proposal: 1268-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

4774 SPECIAL RATING, GAWR Provides Rear Tractor Brake Rating Equal to Axle  
Rating up to 23,000-lbs for Single Axles, 46,000-lbs for Tandem Axles, or 69,000-  
lb for Tridem

0/0 0

Notes

: 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.

4AAU BRAKE CHAMBERS, ADDITIONAL (2) {Bendix} Spring Brake Type; 30/30 SqIn 0/0 0

4AZA AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control  
System (4-Channel)

0/0 0

4EBS AIR DRYER {Bendix AD-9} With Heater 0/0 0

Includes

: AIR DRYER LOCATION Inside Left Rail, Back of Cab

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake 0/0 0

4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn 0/0 0

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

0/0 0

4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single  
Cylinder

0/0 0

4WCC BRAKE PACKAGE, FRONT {Dana Spicer ES-165-6} Air, Cam Type, Extended  
Service; Size 16.5" x 6", Includes Automatic Slack Adjusters

0/0 0

4WCD BRAKE PACKAGE, REAR {Dana Spicer ES-165-7} Air, Cam Type, Extended  
Service; Size 16.5" x 7", Includes Automatic Slack Adjusters

0/0 0

5710 STEERING COLUMN Tilting and Telescoping 0/0 0

5PSA STEERING GEAR {Sheppard M-100} Power 0/0 0

5WBH STEERING WHEEL {Caterpillar} 2-Spoke, 18" Diam., Dark Neutral, Leather  
Wrapped

0/0 0

7BJU EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame  
Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe & Guard, Right  
Side, Cab Mounted

0/0 0

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment 0/0 0

Includes

: 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

#### **Vehicle Specifications**

**2016 CT660S SBA 6x4 (CF7AA)**

**3 Proposal: 1268-01**

#### **Code Description F/R Wt Tot Wt**

(lbs) (lbs)

: 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

8653 HORN, AIR Single, Located Under Cab 5/0 5

8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord 0/0 0

8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount 0/0 0

8MMJ BATTERY SYSTEM {Caterpillar} (3) 12 Volt 2130CCA Total 0/0 0

8RMD RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers 1/0 1

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

0/0 0

8VUK BATTERY BOX Aluminum With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity,  
Mounted Right Side Back of Cab

0/0 0

8WCK POWER SOURCE, TERMINAL TYPE 2-Post 0/0 0

8WEZ TURN SIGNAL SWITCH Self-Canceling 0/0 0

8WNH RUNNING LIGHT (2) Daytime 0/0 0

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with  
Soft-Start

0/0 0

9ASE FRONT END Tilting Composite 0/0 0

Includes

: GRILLE SURROUND Brushed Stainless Steel

9HAN INSULATION, UNDER HOOD for Sound Abatement 0/0 0

9HBN INSULATION, SPLASH PANELS for Sound Abatement 0/0 0

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100 0/0 0

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone 0/0 0

10769 PAINT CLASS Premium Color 0/0 0

10EYC FIFTH WHEEL, STATIONARY {Fontaine SL7FMA-D69-3} Cast Top Plate; 8.69"

Above Top of Frame; Left Hand Roadside Release

0/348 348

10WLX MUD FLAPS, REAR Black Rubber, Anti-Sail "CAT" Silver Logo; Less Holders -2/14 12

10WPR MUD FLAP HOLDER Spring Loaded, Painted Black; With Red and White Reflective  
Tape; Less Flaps

0/34 34

11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast  
Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type  
Control, 1700 lb-ft Torque Capacity

0/0 0

Includes

: CLUTCH RELEASE BEARING Greasable

12KXL ENGINE, DIESEL {CT 13} EPA 2010, SCR, 365 HP @ 1700 RPM, 1250 lb-ft  
Torque @ 1000 RPM, 2100 RPM Governed Speed, 365 Peak HP (Max)

0/0 0

#### **Vehicle Specifications**

**2016 CT660S SBA 6x4 (CF7AA)**

**4 Proposal: 1268-01**

#### **Code Description F/R Wt Tot Wt**

(lbs) (lbs)

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual  
Torque Device for Disengaged Fan Speed

0/0 0

12UND FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015;  
CT13 Engines

0/0 0

12VBT AIR CLEANER Single Element, Heavy Duty 0/0 0

12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type 0/0 0



12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control 0/0 0  
 12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects,  
 Engine Mounted  
 0/0 0  
 12WZJ EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean  
 Air Regulations; Includes "Certified Clean Idle" Decal located on Driver Door  
 0/0 0  
 12XAV RADIATOR Aluminum; Welded, Front to Back Down Flow System, 1429 SqIn, 740  
 SqIn CAC, 1099 SqIn 3 Core LTR  
 0/0 0  
 13GHL TRANSMISSION, MANUAL {Fuller FRO-14210C} 10-Speed Manual, With  
 Overdrive, With Air Shift  
 8/-18 -10  
 Includes  
 : CLUTCH BRAKE Torque Limiting  
 : FILL PLUG, MAGNETIC  
 13WAP TRANSMISSION LUBE PUMP for International, Fuller, Meritor or Spicer  
 Transmissions; USE ONLY WHEN PUMP IS NOT INCLUDED STANDARD IN  
 TRANSMISSION  
 7/3 10  
 13WGJ OIL COOLER,MANUAL TRANSMISSION Water to Oil Type Included in Radiator  
 End Tank (REQUIRES TRANSMISSION LUBE PUMP)  
 2/0 2  
 13WLB TRANSMISSION OIL {EmGard 50W} Synthetic; 22 thru 33.99 Pints 0/0 0  
 14GVU AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction,  
 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With  
 Lube Oil Pump . Gear Ratio: 4.33  
 0/0 0  
 Includes  
 : POWER DIVIDER LOCK Air Operated, Cab Control with Indicator Light in Cluster  
 : REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle  
 14ULX SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type  
 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse  
 Torque Rods, Less Shock Absorbers  
 0/0 0  
 Includes  
 : CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone  
 Notes  
 : 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  
 0/0 0  
 14WBV SHOCK ABSORBERS, REAR (4) for Hendrickson HMX Suspension Only,  
 Mounted from Frame to Beam  
 0/31 31  
 14WMJ AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints 0/0 0

#### **Vehicle Specifications**

#### **2016 CT660S SBA 6x4 (CF7AA)**

#### **5 Proposal: 1268-01**

#### **Code Description F/R Wt Tot Wt**

(lbs) (lbs)

15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under  
 Cab

0/0 0

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes  
 Water-In-Fuel Sensor

0/0 0

15SJZ FUEL TANK Top Draw; Non-Polished Aluminum, 26" Diam., 80 U.S. Gal., 302 L  
 Capacity Mounted Left Side, Under Cab

24/-23 1

16031 CAB Conventional 0/0 0

Includes

: 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  
16400 SEAT, PASSENGER Omit Item 0/0 0  
16HBA GAUGE CLUSTER English With English Electronic Speedometer 0/0 0  
16JPC SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All  
Vinyl, 2 Arm Rests, Isolator, 7" Adjuster, 1 Chamber Lumbar, 2 Position Front  
Cushion Adjust, 3 Position Rear Cushion, 2-15 Degree Back Angle Adjust, Vinyl  
Suspension Cover  
0/0 0  
16SKS MIRRORS (2) {Lang Mekra} Aero; Rectangular, Thermostatically Controlled  
Heated Head, Amber Lens Clearance Lights LED, Black Painted Finish Heads,  
Brackets & Arms, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides,  
102" Inside Spacing  
0/0 0  
16VRT HEATER, ENHANCED CIRCULATION {Bergstrom} Control, for Extreme Cold  
Weather Climates  
0/0 0  
16VTH CAB INTERIOR TRIM Premium Level; for Caterpillar, Day Cab 0/0 0  
Includes  
: "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

#### **Vehicle Specifications**

**2016 CT660S SBA 6x4 (CF7AA)**

**6 Proposal: 1268-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

16VZA WINDOW, REAR 52.25" Wide 0/0 0  
16WAK WINDOW, POWER (2) in Left and Right Doors 0/0 0  
16WJG CAB DOOR LOCKS Power 0/0 0  
16WKB AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster 0/0 0  
16WKR WINDSHIELD Single Piece 0/0 0  
16WLD CAB REAR SUSPENSION {Link Z9079D1} Dual Frame Mounted Cab Rear Air  
Suspension; Includes Special Crossmember Assembly  
0/0 0  
16XWD SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral  
Clearance/Marker Lights  
0/0 0  
27DTJ WHEELS, FRONT {Maxion 90541} DISC; 22.5" Painted Steel, 2-Hand Hole, 10-  
Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With  
Steel Hubs  
6/0 6  
28DTJ WHEELS, REAR {Maxion 90541} DUAL DISC; 22.5" Painted Steel, 2 Hand Hole,  
10 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims;  
With Steel Hubs  
0/447 447  
29PAR PAINT IDENTITY, FRONT WHEELS Disc Front Wheels; With Vendor Applied  
White Powder Coat Paint  
0/0 0  
29PAS PAINT IDENTITY, REAR WHEELS Disc Rear Wheels; With Vendor Applied White  
Powder Coat Paint

0/0 0

7372135415 (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

0/0 0

7372135415 (8) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

0/0 0

810000 FIFTH WHEEL LOCATION On Rear Axle Centerline 0/0 0

**Total Component Weight: 9627/7566 17193**

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**H-GAC Product Code: B3**  
**CT660-LTA 6x4 (CF7AB) – Truck Configuration (122" BBC)**

**Model Profile**

**2016 CT660L SBA 6x4 (CF7AB)**

**APPLICATION:** Utility/Service (Other)

**MISSION:** Requested GVWR: 52300. Calc. GVWR: 52350

Calc. Start / Grade Ability: 29.42% / 3.10% @ 55 MPH

Calc. Geared Speed: 82.4 MPH

**DIMENSION:** Wheelbase: 181.00, CA: 113.00, Axle to Frame: 53.00

**ENGINE, DIESEL:** {CT 13} EPA 2010, SCR, 410 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM

Governed Speed, 410 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 3.08

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

**PAINT:** Cab schematic 100KU

Location 1: 9221, Light Cameo White (Prem)

Chassis schematic N/A

**1 Proposal: 1269-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

CF7AB00 Base Chassis, Model CT660L SBA 6x4 with 181.00 Wheelbase, 113.00 CA, and 53.00 Axle to Frame.

9357/6955 16312

1652 CROSSMEMBER, REAR Relocated to End of Frame -22/103 81

1CDH FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 543.0" (13793mm) Maximum OAL

74/74 148

1LBC BUMPER, FRONT Multi-piece Stainless Steel 0/0 0

Includes

: FOG LIGHT OPENING (2) and with Rectangular Hole for Step

1WVX WHEELBASE RANGE 181" (460cm) Through and Including 234" (595cm) 0/0 0

2ASG AXLE, FRONT NON-DRIVING {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

0/0 0

3ACH SUSPENSION, FRONT, SPRING Multileaf, Shackle Type; 14,000-lb Capacity; With Shock Absorbers

0/0 0

Includes

: SPRING PINS Threaded

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications 0/0 0

Includes

: 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

Notes

: 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

115/0 115

4619 TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck

2/0 2

Includes

: INVERSION VALVE Bendix SR-1 and Double Check Valve

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank 0/0 0

Includes

: DRAIN VALVE Mounted in Wet Tank

#### **Vehicle Specifications**

**2016 CT660L SBA 6x4 (CF7AB)**

**2 Proposal: 1269-01**

#### **Code Description F/R Wt Tot Wt**

(lbs) (lbs)

4AZA AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)

0/0 0

4EBS AIR DRYER {Bendix AD-9} With Heater 0/0 0

Includes

: AIR DRYER LOCATION Inside Left Rail, Back of Cab

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake 0/0 0

4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn 0/0 0

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

0/0 0

4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder

0/0 0

4WCC BRAKE PACKAGE, FRONT {Dana Spicer ES-165-6} Air, Cam Type, Extended Service; Size 16.5" x 6", Includes Automatic Slack Adjusters

0/0 0

4WCD BRAKE PACKAGE, REAR {Dana Spicer ES-165-7} Air, Cam Type, Extended Service; Size 16.5" x 7", Includes Automatic Slack Adjusters

0/0 0

5710 STEERING COLUMN Tilting and Telescoping 0/0 0

5PSA STEERING GEAR {Sheppard M-100} Power 0/0 0

5WBH STEERING WHEEL {Caterpillar} 2-Spoke, 18" Diam., Dark Neutral, Leather Wrapped

0/0 0

7BJU EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe & Guard, Right Side, Cab Mounted

0/0 0

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment 0/0 0

Includes

: 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 1/5 6

8653 HORN, AIR Single, Located Under Cab 4/1 5

**Vehicle Specifications**

**2016 CT660L SBA 6x4 (CF7AB)**

**3 Proposal: 1269-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord 0/0 0

8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount 0/0 0

8MMJ BATTERY SYSTEM {Caterpillar} (3) 12 Volt 2130CCA Total 0/0 0

8RMD RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers 1/0 1

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

0/0 0

8VUK BATTERY BOX Aluminum With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity,

Mounted Right Side Back of Cab

0/0 0

8WCK POWER SOURCE, TERMINAL TYPE 2-Post 0/0 0

8WEZ TURN SIGNAL SWITCH Self-Canceling 0/0 0

8WNH RUNNING LIGHT (2) Daytime 0/0 0

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with

Soft-Start

0/0 0

9ASE FRONT END Tilting Composite 0/0 0

Includes

: GRILLE SURROUND Brushed Stainless Steel

9HAN INSULATION, UNDER HOOD for Sound Abatement 0/0 0

9HBN INSULATION, SPLASH PANELS for Sound Abatement 0/0 0

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100 0/0 0

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone 0/0 0

10769 PAINT CLASS Premium Color 0/0 0

11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast

Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type

Control, 1700 lb-ft Torque Capacity

0/0 0

Includes

: CLUTCH RELEASE BEARING Greasable

12KXP ENGINE, DIESEL {CT 13} EPA 2010, SCR, 410 HP @ 1700 RPM, 1450 lb-ft

Torque @ 1000 RPM, 2100 RPM Governed Speed, 410 Peak HP (Max)

0/0 0

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual

Torque Device for Disengaged Fan Speed

0/0 0

12UND FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015;

CT13 Engines

0/0 0

12VBT AIR CLEANER Single Element, Heavy Duty 0/0 0

12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type 0/0 0

12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control 0/0 0

12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects,

Engine Mounted

0/0 0

12WZJ EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean

Air Regulations; Includes "Certified Clean Idle" Decal located on Driver Door

0/0 0

**Vehicle Specifications**

**2016 CT660L SBA 6x4 (CF7AB)**

**4 Proposal: 1269-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

12XAV RADIATOR Aluminum; Welded, Front to Back Down Flow System, 1429 SqIn, 740

SqIn CAC, 1099 SqIn 3 Core LTR

0/0 0

13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift 0/0 0

Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

13WAP TRANSMISSION LUBE PUMP for International, Fuller, Meritor or Spicer

Transmissions; USE ONLY WHEN PUMP IS NOT INCLUDED STANDARD IN TRANSMISSION

7/3 10

13WGJ OIL COOLER,MANUAL TRANSMISSION Water to Oil Type Included in Radiator End Tank (REQUIRES TRANSMISSION LUBE PUMP)

2/0 2

13WLB TRANSMISSION OIL {EmGard 50W} Synthetic; 22 thru 33.99 Pints 0/0 0

14GVU AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump . Gear Ratio: 3.08

0/0 0

Includes

: POWER DIVIDER LOCK Air Operated, Cab Control with Indicator Light in Cluster

: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle

14ULX SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type

54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse

Torque Rods, Less Shock Absorbers

0/0 0

Includes

: CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone

Notes

: 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

0/0 0

14WBV SHOCK ABSORBERS, REAR (4) for Hendrickson HMX Suspension Only, Mounted from Frame to Beam

0/31 31

14WMJ AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints 0/0 0

15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab

0/0 0

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor

0/0 0

15SGL FUEL TANK Non-Polished Aluminum, 24" Diam., 80 U.S. Gal., 302 L Capacity Mounted Left Side Under Cab

0/0 0

16031 CAB Conventional 0/0 0

Includes

: 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

#### **Vehicle Specifications**

**2016 CT660L SBA 6x4 (CF7AB)**

**5 Proposal: 1269-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

: 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

16400 SEAT, PASSENGER Omit Item 0/0 0

16HBA GAUGE CLUSTER English With English Electronic Speedometer 0/0 0

16JPC SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All Vinyl, 2 Arm Rests, Isolator, 7" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 3 Position Rear Cushion, 2-15 Degree Back Angle Adjust, Vinyl Suspension Cover

0/0 0

16SKS MIRRORS (2) {Lang Mekra} Aero; Rectangular, Thermostatically Controlled Heated Head, Amber Lens Clearance Lights LED, Black Painted Finish Heads,

Brackets & Arms, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides,  
 102" Inside Spacing  
 0/0 0  
 16VRT HEATER, ENHANCED CIRCULATION {Bergstrom} Control, for Extreme Cold  
 Weather Climates  
 0/0 0  
 16VTH CAB INTERIOR TRIM Premium Level; for Caterpillar, Day Cab 0/0 0  
 Includes  
 : "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 0/0 0  
 16WAK WINDOW, POWER (2) in Left and Right Doors 0/0 0  
 16WJG CAB DOOR LOCKS Power 0/0 0  
 16WKB AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster 0/0 0  
 16WKR WINDSHIELD Single Piece 0/0 0  
 16WLD CAB REAR SUSPENSION {Link Z9079D1} Dual Frame Mounted Cab Rear Air  
 Suspension; Includes Special Crossmember Assembly  
 0/0 0  
 16XWD SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral  
 Clearance/Marker Lights  
 0/0 0

#### Vehicle Specifications

**2016 CT660L SBA 6x4 (CF7AB)**

**6 Proposal: 1269-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

27DMA WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 2-Hand Hole, 10-Stud  
 (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel  
 Hubs

0/0 0

Includes

: PAINT IDENTITY, FRONT WHEELS White

28DMA WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 2-Hand Hole, 10-  
 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With  
 Steel Hubs

0/0 0

Includes

: PAINT IDENTITY, REAR WHEELS White

7372135415 (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14  
 ply

0/0 0

7372135415 (8) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14  
 ply

0/0 0

**Total Component Weight: 9541/7172 16713**

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**H-GAC Product Code: B4**  
**CT660-LTA 6x4 (CF7AB) – Tractor Configuration (122" BBC)**

**Model Profile**

**2016 CT660L SBA 6x4 (CF7AB)**

**APPLICATION:** On-Off Highway Tractor - General

**MISSION:** Requested GCWR: 80000. Calc. GVWR: 52350

Calc. Start / Grade Ability: 14.34% / 1.80% @ 55 MPH

Calc. Geared Speed: 82.4 MPH

**DIMENSION:** Wheelbase: 181.00, CA: 113.00, Axle to Frame: 57.00

**ENGINE, DIESEL:** {CT 13} EPA 2010, SCR, 410 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM

Governed Speed, 410 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 3.08

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

**PAINT:** Cab schematic 100KU

Location 1: 9221, Light Cameo White (Prem)

Chassis schematic N/A

**1 Proposal: 1270-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

CF7AB00 Base Chassis, Model CT660L SBA 6x4 with 181.00 Wheelbase, 113.00 CA, and 57.00 Axle to Frame.

9357/6955 16312

1616 FRAME RAILS WITH TAPERED REAR -8/42 34

1CDH FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 543.0" (13793mm) Maximum OAL

69/94 163

1LBC BUMPER, FRONT Multi-piece Stainless Steel 0/0 0

Includes

: FOG LIGHT OPENING (2) and with Rectangular Hole for Step

1WVX WHEELBASE RANGE 181" (460cm) Through and Including 234" (595cm) 0/0 0

2ASG AXLE, FRONT NON-DRIVING {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

0/0 0

3ACH SUSPENSION, FRONT, SPRING Multileaf, Shackle Type; 14,000-lb Capacity; With Shock Absorbers

0/0 0

Includes

: SPRING PINS Threaded

4092 BRAKE SYSTEM, AIR Dual System for Tractor Applications 13/2 15

Includes

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Twist-Type

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: GLAD HANDS (2) One for Service and One for Emergency; Trailer Hoses from Cab

: HAND CONTROL VALVE, AIR Mounted on Steering Column

: HOSE TENDER Back of Cab Mounted

: PARKING BRAKE CONTROL Yellow and Red Knobs, Located on Instrument Panel

: PARKING BRAKE VALVE Combination Valve for Tractor and Trailer

: QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for Forward Rear Axle

: SLACK ADJUSTERS, FRONT Automatic

: SLACK ADJUSTERS, REAR Automatic

: SWITCH, AUXILIARY Interrupter for Cab and Trailer Clearance/Marker Lights (Blinks Lights with Headlight Switch in "ON" Position); Instrument Panel Mounted

: TRACTOR PROTECTION VALVE  
: TRAILER HOSES AND CABLES 15' Coiled Lighting Cable with 7-Way Connector  
and with 15' Coiled Nylon Brake Hose

Notes

: 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

115/0 115

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank 0/0 0

Includes

: DRAIN VALVE Mounted in Wet Tank

**Vehicle Specifications**

**2016 CT660L SBA 6x4 (CF7AB)**

**2 Proposal: 1270-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

4774 SPECIAL RATING, GAWR Provides Rear Tractor Brake Rating Equal to Axle  
Rating up to 23,000-lbs for Single Axles, 46,000-lbs for Tandem Axles, or 69,000-  
lb for Tridem

0/0 0

Notes

: 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.

4AAU BRAKE CHAMBERS, ADDITIONAL (2) {Bendix} Spring Brake Type; 30/30 SqIn 0/0 0

4AZA AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control  
System (4-Channel)

0/0 0

4EBS AIR DRYER {Bendix AD-9} With Heater 0/0 0

Includes

: AIR DRYER LOCATION Inside Left Rail, Back of Cab

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake 0/0 0

4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn 0/0 0

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

0/0 0

4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single  
Cylinder

0/0 0

4WCC BRAKE PACKAGE, FRONT {Dana Spicer ES-165-6} Air, Cam Type, Extended  
Service; Size 16.5" x 6", Includes Automatic Slack Adjusters

0/0 0

4WCD BRAKE PACKAGE, REAR {Dana Spicer ES-165-7} Air, Cam Type, Extended  
Service; Size 16.5" x 7", Includes Automatic Slack Adjusters

0/0 0

5710 STEERING COLUMN Tilting and Telescoping 0/0 0

5PSA STEERING GEAR {Sheppard M-100} Power 0/0 0

5WBH STEERING WHEEL {Caterpillar} 2-Spoke, 18" Diam., Dark Neutral, Leather  
Wrapped

0/0 0

7BJU EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame  
Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe & Guard, Right  
Side, Cab Mounted

0/0 0

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment 0/0 0

Includes

: 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

#### **Vehicle Specifications**

**2016 CT660L SBA 6x4 (CF7AB)**

**3 Proposal: 1270-01**

#### **Code Description F/R Wt Tot Wt**

(lbs) (lbs)

: 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

8653 HORN, AIR Single, Located Under Cab 4/1 5

8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord 0/0 0

8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount 0/0 0

8MMJ BATTERY SYSTEM {Caterpillar} (3) 12 Volt 2130CCA Total 0/0 0

8RMD RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers 1/0 1

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

0/0 0

8VUK BATTERY BOX Aluminum With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity,  
Mounted Right Side Back of Cab

0/0 0

8WCK POWER SOURCE, TERMINAL TYPE 2-Post 0/0 0

8WEZ TURN SIGNAL SWITCH Self-Canceling 0/0 0

8WNH RUNNING LIGHT (2) Daytime 0/0 0

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with  
Soft-Start

0/0 0

9ASE FRONT END Tilting Composite 0/0 0

Includes

: GRILLE SURROUND Brushed Stainless Steel

9HAN INSULATION, UNDER HOOD for Sound Abatement 0/0 0

9HBN INSULATION, SPLASH PANELS for Sound Abatement 0/0 0

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100 0/0 0

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone 0/0 0

10769 PAINT CLASS Premium Color 0/0 0

10EYC FIFTH WHEEL, STATIONARY {Fontaine SL7FMA-D69-3} Cast Top Plate; 8.69"  
Above Top of Frame; Left Hand Roadside Release

0/348 348

10WPR MUD FLAP HOLDER Spring Loaded, Painted Black; With Red and White Reflective  
Tape; Less Flaps

0/34 34

10WPY MUD FLAPS, REAR Black Rubber, Anti-Sail Less Logo; Less Holders -4/16 12

11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast  
Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type  
Control, 1700 lb-ft Torque Capacity

0/0 0

Includes

: CLUTCH RELEASE BEARING Greasable

12KXP ENGINE, DIESEL {CT 13} EPA 2010, SCR, 410 HP @ 1700 RPM, 1450 lb-ft  
Torque @ 1000 RPM, 2100 RPM Governed Speed, 410 Peak HP (Max)

0/0 0

#### **Vehicle Specifications**

**2016 CT660L SBA 6x4 (CF7AB)**

**4 Proposal: 1270-01**

#### **Code Description F/R Wt Tot Wt**

(lbs) (lbs)

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual  
Torque Device for Disengaged Fan Speed

0/0 0

12UND FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015;  
CT13 Engines

0/0 0

12VBT AIR CLEANER Single Element, Heavy Duty 0/0 0

12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type 0/0 0

12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control 0/0 0  
 12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects,  
 Engine Mounted  
 0/0 0  
 12WZJ EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean  
 Air Regulations; Includes "Certified Clean Idle" Decal located on Driver Door  
 0/0 0  
 12XAV RADIATOR Aluminum; Welded, Front to Back Down Flow System, 1429 SqIn, 740  
 SqIn CAC, 1099 SqIn 3 Core LTR  
 0/0 0  
 13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift 0/0 0  
 Includes  
 : CLUTCH BRAKE Torque Limiting  
 : FILL PLUG, MAGNETIC  
 13WAP TRANSMISSION LUBE PUMP for International, Fuller, Meritor or Spicer  
 Transmissions; USE ONLY WHEN PUMP IS NOT INCLUDED STANDARD IN  
 TRANSMISSION  
 7/3 10  
 13WGJ OIL COOLER,MANUAL TRANSMISSION Water to Oil Type Included in Radiator  
 End Tank (REQUIRES TRANSMISSION LUBE PUMP)  
 2/0 2  
 13WLB TRANSMISSION OIL {EmGard 50W} Synthetic; 22 thru 33.99 Pints 0/0 0  
 14GVU AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction,  
 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With  
 Lube Oil Pump . Gear Ratio: 3.08  
 0/0 0  
 Includes  
 : POWER DIVIDER LOCK Air Operated, Cab Control with Indicator Light in Cluster  
 : REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle  
 14ULX SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type  
 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse  
 Torque Rods, Less Shock Absorbers  
 0/0 0  
 Includes  
 : CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone  
 Notes  
 : 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  
 0/0 0  
 14WBV SHOCK ABSORBERS, REAR (4) for Hendrickson HMX Suspension Only,  
 Mounted from Frame to Beam  
 0/31 31  
 14WMJ AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints 0/0 0

#### **Vehicle Specifications**

#### **2016 CT660L SBA 6x4 (CF7AB)**

#### **5 Proposal: 1270-01**

#### **Code Description F/R Wt Tot Wt**

(lbs) (lbs)

15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under  
 Cab

0/0 0

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes  
 Water-In-Fuel Sensor

0/0 0

15SGL FUEL TANK Non-Polished Aluminum, 24" Diam., 80 U.S. Gal., 302 L Capacity  
 Mounted Left Side Under Cab

0/0 0

16031 CAB Conventional 0/0 0

Includes

: 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  
 16400 SEAT, PASSENGER Omit Item 0/0 0  
 16HBA GAUGE CLUSTER English With English Electronic Speedometer 0/0 0  
 16JPC SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All Vinyl, 2 Arm Rests, Isolator, 7" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 3 Position Rear Cushion, 2-15 Degree Back Angle Adjust, Vinyl Suspension Cover  
 0/0 0  
 16SKS MIRRORS (2) {Lang Mekra} Aero; Rectangular, Thermostatically Controlled Heated Head, Amber Lens Clearance Lights LED, Black Painted Finish Heads, Brackets & Arms, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing  
 0/0 0  
 16VRT HEATER, ENHANCED CIRCULATION {Bergstrom} Control, for Extreme Cold Weather Climates  
 0/0 0  
 16VTH CAB INTERIOR TRIM Premium Level; for Caterpillar, Day Cab 0/0 0  
 Includes  
 : "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

#### **Vehicle Specifications**

**2016 CT660L SBA 6x4 (CF7AB)**

**6 Proposal: 1270-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

16VZA WINDOW, REAR 52.25" Wide 0/0 0  
 16WAK WINDOW, POWER (2) in Left and Right Doors 0/0 0  
 16WJG CAB DOOR LOCKS Power 0/0 0  
 16WKB AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster 0/0 0  
 16WKR WINDSHIELD Single Piece 0/0 0  
 16WLD CAB REAR SUSPENSION {Link Z9079D1} Dual Frame Mounted Cab Rear Air Suspension; Includes Special Crossmember Assembly  
 0/0 0  
 16XWD SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights  
 0/0 0  
 27DTJ WHEELS, FRONT {Maxion 90541} DISC; 22.5" Painted Steel, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs  
 6/0 6  
 28DTJ WHEELS, REAR {Maxion 90541} DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs  
 0/447 447  
 29PAR PAINT IDENTITY, FRONT WHEELS Disc Front Wheels; With Vendor Applied White Powder Coat Paint  
 0/0 0  
 29PAS PAINT IDENTITY, REAR WHEELS Disc Rear Wheels; With Vendor Applied White Powder Coat Paint  
 0/0 0  
 7372135415 (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14

ply

0/0 0

7372135415 (8) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14

ply

0/0 0

810000 FIFTH WHEEL LOCATION On Rear Axle Centerline 0/0 0

**Total Component Weight: 9562/7973 17535**

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**H-GAC Product Code: B5**  
**CT681-SG SFA (CF6AA) (114" BBC)**

**Model Profile**

**2016 CT681SG SFA 6x4 (CF6AA)**

**APPLICATION:** Utility/Service (Other)

**MISSION:** Requested GVWR: 52000. Calc. GVWR: 52000

Calc. Start / Grade Ability: 21.40% / 2.47% @ 55 MPH

Calc. Geared Speed: 82.4 MPH

**DIMENSION:** Wheelbase: 199.00, CA: 113.00, Axle to Frame: 53.00

**ENGINE, DIESEL:** {CT 13} EPA 2010, SCR, 365 HP @ 1700 RPM, 1250 lb-ft Torque @ 1000 RPM, 2100 RPM

Governed Speed, 365 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor FF-961} I-Beam Type, 12,000-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 3.08

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

**PAINT:** Cab schematic 100KV

Location 1: 9221, Light Cameo White (Prem)

Chassis schematic N/A

**1 Proposal: 1271-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

CF6AA00 Base Chassis, Model CT681SG SFA 6x4 with 199.00 Wheelbase, 113.00 CA, and 53.00 Axle to Frame.

7773/8297 16070

1652 CROSSMEMBER, REAR Relocated to End of Frame -19/100 81

1CDH FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 543.0" (13793mm) Maximum OAL

71/74 145

1LMU BUMPER, FRONT Flat Face, Gull Wing, Steel, 15.5" High x 94.0 Long 0/0 0

1WWX WHEELBASE RANGE 161" (410cm) Through and Including 205" (520cm) 0/0 0

2ARA AXLE, FRONT NON-DRIVING {Meritor FF-961} I-Beam Type, 12,000-lb Capacity 0/0 0

3ADC SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-lb Capacity; With Shock Absorbers

0/0 0

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications 0/0 0

Includes

: 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

Notes

: 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.

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank 0/0 0

Includes

: DRAIN VALVE Mounted in Wet Tank

4AZA AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control

System (4-Channel)

0/0 0

4EBS AIR DRYER {Bendix AD-9} With Heater 0/0 0

Includes

: AIR DRYER LOCATION Inside Left Rail, Back of Cab

4EXP BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn 3/0 3

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake 0/0 0

4JCJ BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

0/0 0

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

0/0 0

#### **Vehicle Specifications**

**2016 CT681SG SFA 6x4 (CF6AA)**

**2 Proposal: 1271-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder

0/0 0

5710 STEERING COLUMN Tilting and Telescoping 0/0 0

5PSA STEERING GEAR {Sheppard M-100} Power 0/0 0

5WBH STEERING WHEEL {Caterpillar} 2-Spoke, 18" Diam., Dark Neutral, Leather Wrapped

0/0 0

7BJU EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe & Guard, Right Side, Cab Mounted

0/0 0

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment 0/0 0

Includes

: 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) Sealed Beam, 7" Round, Halogen

: 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

8653 HORN, AIR Single, Located Under Cab 5/0 5

8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord 0/0 0

8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount 0/0 0

8MMJ BATTERY SYSTEM {Caterpillar} (3) 12 Volt 2130CCA Total 0/0 0

8RMD RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers 1/0 1

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

0/0 0

8VUK BATTERY BOX Aluminum With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab

0/0 0

8WCK POWER SOURCE, TERMINAL TYPE 2-Post 0/0 0

8WNH RUNNING LIGHT (2) Daytime 0/0 0

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

0/0 0



9ANC FRONT END Tilting, Fiberglass; With Stationary Grille 0/0 0

**Vehicle Specifications**

**2016 CT681SG SFA 6x4 (CF6AA)**

**3 Proposal: 1271-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

9HAN INSULATION, UNDER HOOD for Sound Abatement 0/0 0

9HBN INSULATION, SPLASH PANELS for Sound Abatement 0/0 0

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100 0/0 0

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone 0/0 0

10769 PAINT CLASS Premium Color 0/0 0

11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast

Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type

Control, 1700 lb-ft Torque Capacity

0/0 0

Includes

: CLUTCH RELEASE BEARING Greasable

12KXL ENGINE, DIESEL {CT 13} EPA 2010, SCR, 365 HP @ 1700 RPM, 1250 lb-ft

Torque @ 1000 RPM, 2100 RPM Governed Speed, 365 Peak HP (Max)

0/0 0

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual

Torque Device for Disengaged Fan Speed

0/0 0

12UBV RADIATOR Aluminum: Welded, Front to Back Down Flow System, 1177 SqIn, 825

SqIn CAC, 949 SqIn 3 Core LTR

0/0 0

12UND FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015;

CT13 Engines

0/0 0

12VBC AIR CLEANER Single Element 0/0 0

12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type 0/0 0

12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control 0/0 0

12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects,

Engine Mounted

0/0 0

12WZB EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean

Air Regulations; Includes "Certified Clean Idle" Decal on Hood

0/0 0

13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift 0/0 0

Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

13WLB TRANSMISSION OIL {EmGard 50W} Synthetic; 22 thru 33.99 Pints 0/0 0

14GVU AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction,

0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With

Lube Oil Pump . Gear Ratio: 3.08

0/0 0

Includes

: POWER DIVIDER LOCK Air Operated, Cab Control with Indicator Light in Cluster

: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle

14ULX SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type

54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse

Torque Rods, Less Shock Absorbers

0/0 0

Includes

: CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone

Notes

**Vehicle Specifications**

**2016 CT681SG SFA 6x4 (CF6AA)**

**4 Proposal: 1271-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

: 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

0/0 0

15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under

Cab  
 0/0 0  
 15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor  
 0/0 0  
 15SGL FUEL TANK Non-Polished Aluminum, 24" Diam., 80 U.S. Gal., 302 L Capacity Mounted Left Side Under Cab  
 0/0 0  
 16031 CAB Conventional 0/0 0  
 Includes  
 : 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  
 16400 SEAT, PASSENGER Omit Item 0/0 0  
 16564 HEATER SHUT-OFF VALVES (1) Ball Check Valve Type, Supply Line 5/0 5  
 16HBA GAUGE CLUSTER English With English Electronic Speedometer 0/0 0  
 16JPC SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All Vinyl, 2 Arm Rests, Isolator, 7" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 3 Position Rear Cushion, 2-15 Degree Back Angle Adjust, Vinyl Suspension Cover  
 0/0 0  
 16SKS MIRRORS (2) {Lang Mekra} Aero; Rectangular, Thermostatically Controlled Heated Head, Amber Lens Clearance Lights LED, Black Painted Finish Heads, Brackets & Arms, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing  
 0/0 0  
 16VRT HEATER, ENHANCED CIRCULATION {Bergstrom} Control, for Extreme Cold Weather Climates  
 0/0 0  
 16VTH CAB INTERIOR TRIM Premium Level; for Caterpillar, Day Cab 0/0 0  
 Includes  
 : "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  
**Vehicle Specifications**  
**2016 CT681SG SFA 6x4 (CF6AA)**  
**5 Proposal: 1271-01**  
**Code Description F/R Wt Tot Wt**  
 (lbs) (lbs)  
 : 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 0/0 0  
 16WAK WINDOW, POWER (2) in Left and Right Doors 0/0 0  
 16WJG CAB DOOR LOCKS Power 0/0 0  
 16WKB AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster 0/0 0  
 16WKR WINDSHIELD Single Piece 0/0 0  
 16WLD CAB REAR SUSPENSION {Link Z9079D1} Dual Frame Mounted Cab Rear Air Suspension; Includes Special Crossmember Assembly  
 0/0 0

16XWD SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights

0/0 0

27DMA WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

0/0 0

Includes

: PAINT IDENTITY, FRONT WHEELS White

28DMA WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

0/0 0

Includes

: PAINT IDENTITY, REAR WHEELS White

7372135415 (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

0/0 0

7372135415 (8) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

0/0 0

**Total Component Weight: 7839/8471 16310**

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**H-GAC Product Code: B6**  
**CT680L SFA (CF6AB) (124" BBC) – Truck Configuration**

**Model Profile**

**2016 CT680L SFA 6x4 (CF6AB)**

**APPLICATION:** Construction Dump

**MISSION:** Requested GVWR: 54000. Calc. GVWR: 52000

Calc. Start / Grade Ability: 27.66% / 2.96% @ 55 MPH

Calc. Geared Speed: 82.4 MPH

**DIMENSION:** Wheelbase: 205.00, CA: 110.00, Axle to Frame: 53.00

**ENGINE, DIESEL:** {CT 13} EPA 2010, SCR, 410 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM

Governed Speed, 410 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 3.08

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

**PAINT:** Cab schematic 100KW

Location 1: 9221, Light Cameo White (Prem)

Chassis schematic N/A

**1 Proposal: 1272-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

CF6AB00 Base Chassis, Model CT680L SFA 6x4 with 205.00 Wheelbase, 110.00 CA, and 53.00 Axle to Frame.

7630/8306 15936

1652 CROSSMEMBER, REAR Relocated to End of Frame -19/100 81

1CDH FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 543.0" (13793mm) Maximum OAL

71/74 145

1LBH BUMPER, FRONT Black Painted Multi-piece Steel 0/0 0

1WWT WHEELBASE RANGE 169" (430cm) Through and Including 205" (520cm) 0/0 0

2ARW AXLE, FRONT NON-DRIVING {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity

-25/0 -25

3ADC SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-lb Capacity; With Shock Absorbers

0/0 0

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications 0/0 0

Includes

: 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

Notes

: 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.

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank 0/0 0

Includes

: DRAIN VALVE Mounted in Wet Tank  
4AZA AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)  
0/0 0  
4EBS AIR DRYER {Bendix AD-9} With Heater 0/0 0  
Includes  
: AIR DRYER LOCATION Inside Left Rail, Back of Cab  
4EXP BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn 3/0 3  
4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake 0/0 0  
4JCJ BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers  
0/0 0  
**Vehicle Specifications**  
**2016 CT680L SFA 6x4 (CF6AB)**  
**2 Proposal: 1272-01**  
**Code Description F/R Wt Tot Wt**  
(lbs) (lbs)  
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  
0/0 0  
4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder  
0/0 0  
5710 STEERING COLUMN Tilting and Telescoping 0/0 0  
5PSA STEERING GEAR {Sheppard M-100} Power 0/0 0  
5WBH STEERING WHEEL {Caterpillar} 2-Spoke, 18" Diam., Dark Neutral, Leather Wrapped  
0/0 0  
7BJU EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe & Guard, Right Side, Cab Mounted  
0/0 0  
8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment 0/0 0  
Includes  
: 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  
8653 HORN, AIR Single, Located Under Cab 4/1 5  
8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord 0/0 0  
8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount 0/0 0  
8MMJ BATTERY SYSTEM {Caterpillar} (3) 12 Volt 2130CCA Total 0/0 0  
8RBN RADIO Omit Item; With Wiring and Antenna, Includes Multiple Speakers 0/0 0  
Includes  
: SPEAKERS IN CAB (4) Coaxial  
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  
0/0 0  
8VUK BATTERY BOX Aluminum With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab  
0/0 0  
8WCK POWER SOURCE, TERMINAL TYPE 2-Post 0/0 0

## Vehicle Specifications

### 2016 CT680L SFA 6x4 (CF6AB)

#### 3 Proposal: 1272-01

##### Code Description F/R Wt Tot Wt

(lbs) (lbs)

8WNH RUNNING LIGHT (2) Daytime 0/0 0

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

0/0 0

9107 FRONT END Tilting, Fiberglass 0/0 0

9HAN INSULATION, UNDER HOOD for Sound Abatement 0/0 0

9HBN INSULATION, SPLASH PANELS for Sound Abatement 0/0 0

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100 0/0 0

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone 0/0 0

10769 PAINT CLASS Premium Color 0/0 0

11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

0/0 0

Includes

: CLUTCH RELEASE BEARING Greasable

12KXP ENGINE, DIESEL {CT 13} EPA 2010, SCR, 410 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 410 Peak HP (Max)

0/0 0

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

0/0 0

12UCX RADIATOR Aluminum; 3-Row, Front to Back Cross Flow System, 1430 SqIn, 560 SqIn CAC, 1110 SqIn 3 Core LTR

0/0 0

12UND FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015; CT13 Engines

0/0 0

12VBT AIR CLEANER Single Element, Heavy Duty 0/0 0

12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type 0/0 0

12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control 0/0 0

12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted

0/0 0

12WZB EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood

0/0 0

13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift 0/0 0

Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

13WLB TRANSMISSION OIL {EmGard 50W} Synthetic; 22 thru 33.99 Pints 0/0 0

14GVU AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump . Gear Ratio: 3.08

0/0 0

Includes

: POWER DIVIDER LOCK Air Operated, Cab Control with Indicator Light in Cluster

: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle

## Vehicle Specifications

### 2016 CT680L SFA 6x4 (CF6AB)

#### 4 Proposal: 1272-01

##### Code Description F/R Wt Tot Wt

(lbs) (lbs)

14ULX SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

0/0 0

Includes

: CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone

Notes

: 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

0/0 0

14WMJ AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints 0/0 0

15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab

0/0 0

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor

0/0 0

15SGL FUEL TANK Non-Polished Aluminum, 24" Diam., 80 U.S. Gal., 302 L Capacity Mounted Left Side Under Cab

0/0 0

16031 CAB Conventional 0/0 0

Includes

: 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

16400 SEAT, PASSENGER Omit Item 0/0 0

16HBA GAUGE CLUSTER English With English Electronic Speedometer 0/0 0

16JPC SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All Vinyl, 2 Arm Rests, Isolator, 7" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 3 Position Rear Cushion, 2-15 Degree Back Angle Adjust, Vinyl Suspension Cover

0/0 0

16SKS MIRRORS (2) {Lang Mekra} Aero; Rectangular, Thermostatically Controlled Heated Head, Amber Lens Clearance Lights LED, Black Painted Finish Heads, Brackets & Arms, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing

0/0 0

16VRT HEATER, ENHANCED CIRCULATION {Bergstrom} Control, for Extreme Cold Weather Climates

0/0 0

16VTH CAB INTERIOR TRIM Premium Level; for Caterpillar, Day Cab 0/0 0

Includes

#### **Vehicle Specifications**

**2016 CT680L SFA 6x4 (CF6AB)**

**5 Proposal: 1272-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

: "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 0/0 0

16WAK WINDOW, POWER (2) in Left and Right Doors 0/0 0

16WJG CAB DOOR LOCKS Power 0/0 0

16WKB AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster 0/0 0

16WKR WINDSHIELD Single Piece 0/0 0

16WLD CAB REAR SUSPENSION {Link Z9079D1} Dual Frame Mounted Cab Rear Air Suspension; Includes Special Crossmember Assembly

0/0 0

16XWD SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights

0/0 0

27DTJ WHEELS, FRONT {Maxion 90541} DISC; 22.5" Painted Steel, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

6/0 6

28DTJ WHEELS, REAR {Maxion 90541} DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

0/447 447

29PAR PAINT IDENTITY, FRONT WHEELS Disc Front Wheels; With Vendor Applied White Powder Coat Paint

0/0 0

29PAS PAINT IDENTITY, REAR WHEELS Disc Rear Wheels; With Vendor Applied White Powder Coat Paint

0/0 0

7372135415 (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

0/0 0

7372135415 (8) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

0/0 0

**Total Component Weight: 7670/8928 16598**

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**H-GAC Product Code: B7**  
**CT680L SFA (CF6AB) (124" BBC) – Tractor Configuration**

**Model Profile**

**2016 CT680L SFA 6x4 (CF6AB)**

**APPLICATION:** Bottom Dump

**MISSION:** Requested GCWR: 80000. Calc. GVWR: 53200

Calc. Start / Grade Ability: 12.98% / 1.74% @ 55 MPH

Calc. Geared Speed: 87.0 MPH

**DIMENSION:** Wheelbase: 207.00, CA: 112.00, Axle to Frame: 57.00

**ENGINE, DIESEL:** {CT 13} EPA 2010, SCR, 410 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM

Governed Speed, 410 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 3.08

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R24.5 HSC1 (CONTINENTAL) 472 rev/mile, load range H, 16 ply

**TIRE, REAR:** (8) 11R24.5 HSC1 (CONTINENTAL) 472 rev/mile, load range H, 16 ply

**SUSPENSION, REAR, TANDEM:** {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

**PAINT:** Cab schematic 100KW

Location 1: 9221, Light Cameo White (Prem)

Chassis schematic N/A

**1 Proposal: 1273-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

CF6AB00 Base Chassis, Model CT680L SFA 6x4 with 207.00 Wheelbase, 112.00 CA, and 57.00 Axle to Frame.

7630/8306 15936

1616 FRAME RAILS WITH TAPERED REAR -7/41 34

1CDH FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 543.0" (13793mm) Maximum OAL

70/97 167

1LBH BUMPER, FRONT Black Painted Multi-piece Steel 0/0 0

1WWW WHEELBASE RANGE 207" (525cm) Through and Including 260" (660cm) 0/0 0

2ASG AXLE, FRONT NON-DRIVING {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

0/0 0

3ADD SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 14,000-lb Capacity; With Shock Absorbers

28/0 28

4092 BRAKE SYSTEM, AIR Dual System for Tractor Applications 5/-7 -2

Includes

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Twist-Type

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: GLAD HANDS (2) One for Service and One for Emergency; Trailer Hoses from Cab

: HAND CONTROL VALVE, AIR Mounted on Steering Column

: HOSE TENDER Back of Cab Mounted

: PARKING BRAKE CONTROL Yellow and Red Knobs, Located on Instrument Panel

: PARKING BRAKE VALVE Combination Valve for Tractor and Trailer

: QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for Forward Rear Axle

: SLACK ADJUSTERS, FRONT Automatic

: SLACK ADJUSTERS, REAR Automatic

: SWITCH, AUXILIARY Interrupter for Cab and Trailer Clearance/Marker Lights (Blinks Lights with Headlight Switch in "ON" Position); Instrument Panel Mounted

: TRACTOR PROTECTION VALVE

: TRAILER HOSES AND CABLES 15' Coiled Lighting Cable with 7-Way Connector and with 15' Coiled Nylon Brake Hose

Notes

: 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

-48/0 -48

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank 0/0 0

Includes

: DRAIN VALVE Mounted in Wet Tank

4AAU BRAKE CHAMBERS, ADDITIONAL (2) {Bendix} Spring Brake Type; 30/30 SqIn 0/0 0

4AZA AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control  
System (4-Channel)

0/0 0

4EBS AIR DRYER {Bendix AD-9} With Heater 0/0 0

Includes

#### **Vehicle Specifications**

**2016 CT680L SFA 6x4 (CF6AB)**

**2 Proposal: 1273-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

: AIR DRYER LOCATION Inside Left Rail, Back of Cab

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake 0/0 0

4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn 0/0 0

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

0/0 0

4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single  
Cylinder

0/0 0

4WCC BRAKE PACKAGE, FRONT {Dana Spicer ES-165-6} Air, Cam Type, Extended  
Service; Size 16.5" x 6", Includes Automatic Slack Adjusters

0/0 0

4WCD BRAKE PACKAGE, REAR {Dana Spicer ES-165-7} Air, Cam Type, Extended  
Service; Size 16.5" x 7", Includes Automatic Slack Adjusters

0/0 0

5710 STEERING COLUMN Tilting and Telescoping 0/0 0

5PSA STEERING GEAR {Sheppard M-100} Power 0/0 0

5WBH STEERING WHEEL {Caterpillar} 2-Spoke, 18" Diam., Dark Neutral, Leather  
Wrapped

0/0 0

7BJU EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame  
Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe & Guard, Right  
Side, Cab Mounted

0/0 0

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment 0/0 0

Includes

: 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

8653 HORN, AIR Single, Located Under Cab 4/1 5

8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord 0/0 0

8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount 0/0 0

8MMJ BATTERY SYSTEM {Caterpillar} (3) 12 Volt 2130CCA Total 0/0 0

8RBN RADIO Omit Item; With Wiring and Antenna, Includes Multiple Speakers 0/0 0

**Vehicle Specifications**

**2016 CT680L SFA 6x4 (CF6AB)**

**3 Proposal: 1273-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

Includes

: SPEAKERS IN CAB (4) Coaxial

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

0/0 0

8VUK BATTERY BOX Aluminum With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity,

Mounted Right Side Back of Cab

0/0 0

8WCK POWER SOURCE, TERMINAL TYPE 2-Post 0/0 0

8WNNH RUNNING LIGHT (2) Daytime 0/0 0

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with  
Soft-Start

0/0 0

9107 FRONT END Tilting, Fiberglass 0/0 0

9HAN INSULATION, UNDER HOOD for Sound Abatement 0/0 0

9HBN INSULATION, SPLASH PANELS for Sound Abatement 0/0 0

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100 0/0 0

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone 0/0 0

10769 PAINT CLASS Premium Color 0/0 0

10HHW FIFTH WHEEL, AIR SLIDE {Fontaine SL7LWB675012} 12" Slide, Cast Top Plate,  
6.75" Above Top of Frame, Left Hand Release

4/434 438

10WLX MUD FLAPS, REAR Black Rubber, Anti-Sail "CAT" Silver Logo; Less Holders -4/19 15

10WPR MUD FLAP HOLDER Spring Loaded, Painted Black; With Red and White Reflective  
Tape; Less Flaps

-14/65 51

11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast  
Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type  
Control, 1700 lb-ft Torque Capacity

0/0 0

Includes

: CLUTCH RELEASE BEARING Greasable

12KXP ENGINE, DIESEL {CT 13} EPA 2010, SCR, 410 HP @ 1700 RPM, 1450 lb-ft  
Torque @ 1000 RPM, 2100 RPM Governed Speed, 410 Peak HP (Max)

0/0 0

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual  
Torque Device for Disengaged Fan Speed

0/0 0

12UCX RADIATOR Aluminum; 3-Row, Front to Back Cross Flow System, 1430 SqIn, 560  
SqIn CAC, 1110 SqIn 3 Core LTR

0/0 0

12UND FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015;  
CT13 Engines

0/0 0

12VBT AIR CLEANER Single Element, Heavy Duty 0/0 0

12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type 0/0 0

12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control 0/0 0

12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects,  
Engine Mounted

0/0 0

**Vehicle Specifications**

**2016 CT680L SFA 6x4 (CF6AB)**

**4 Proposal: 1273-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

12WZB EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean  
Air Regulations; Includes "Certified Clean Idle" Decal on Hood

0/0 0

13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift 0/0 0

Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

13WLB TRANSMISSION OIL {EmGard 50W} Synthetic; 22 thru 33.99 Pints 0/0 0  
14GVU AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction,  
0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With  
Lube Oil Pump . Gear Ratio: 3.08  
0/0 0

Includes

: POWER DIVIDER LOCK Air Operated, Cab Control with Indicator Light in Cluster  
: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle  
14ULX SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type  
54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse  
Torque Rods, Less Shock Absorbers  
0/0 0

Includes

: CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone

Notes

: 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  
0/0 0

0/0 0

14WBV SHOCK ABSORBERS, REAR (4) for Hendrickson HMX Suspension Only,  
Mounted from Frame to Beam  
0/31 31

14WMJ AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints 0/0 0  
15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under  
Cab  
0/0 0

0/0 0

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes  
Water-In-Fuel Sensor  
0/0 0

0/0 0

15SGL FUEL TANK Non-Polished Aluminum, 24" Diam., 80 U.S. Gal., 302 L Capacity  
Mounted Left Side Under Cab  
0/0 0

0/0 0

16031 CAB Conventional 0/0 0

Includes

: 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

#### Vehicle Specifications

**2016 CT680L SFA 6x4 (CF6AB)**

**5 Proposal: 1273-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

: STEP (4) Two Steps Per Door

16400 SEAT, PASSENGER Omit Item 0/0 0

16HBA GAUGE CLUSTER English With English Electronic Speedometer 0/0 0

16JPC SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All  
Vinyl, 2 Arm Rests, Isolator, 7" Adjuster, 1 Chamber Lumbar, 2 Position Front  
Cushion Adjust, 3 Position Rear Cushion, 2-15 Degree Back Angle Adjust, Vinyl  
Suspension Cover  
0/0 0

0/0 0

16SKS MIRRORS (2) {Lang Mekra} Aero; Rectangular, Thermostatically Controlled  
Heated Head, Amber Lens Clearance Lights LED, Black Painted Finish Heads,  
Brackets & Arms, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides,  
102" Inside Spacing  
0/0 0

0/0 0

16VRT HEATER, ENHANCED CIRCULATION {Bergstrom} Control, for Extreme Cold  
Weather Climates  
0/0 0

0/0 0

16VTH CAB INTERIOR TRIM Premium Level; for Caterpillar, Day Cab 0/0 0

Includes

: "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 0/0 0

16WAK WINDOW, POWER (2) in Left and Right Doors 0/0 0

16WJG CAB DOOR LOCKS Power 0/0 0

16WKB AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster 0/0 0

16WKR WINDSHIELD Single Piece 0/0 0

16WLD CAB REAR SUSPENSION {Link Z9079D1} Dual Frame Mounted Cab Rear Air Suspension; Includes Special Crossmember Assembly

0/0 0

16XWD SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights

0/0 0

27DTD WHEELS, FRONT {Maxion 90542} DISC; 24.5" Painted Steel, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

4/0 4

28DTD WHEELS, REAR {Maxion 90542} DUAL DISC; 24.5" Painted Steel, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

0/655 655

#### **Vehicle Specifications**

**2016 CT680L SFA 6x4 (CF6AB)**

**6 Proposal: 1273-01**

**Code Description F/R Wt Tot Wt**

(lbs) (lbs)

29PAR PAINT IDENTITY, FRONT WHEELS Disc Front Wheels; With Vendor Applied White Powder Coat Paint

0/0 0

29PAS PAINT IDENTITY, REAR WHEELS Disc Rear Wheels; With Vendor Applied White Powder Coat Paint

0/0 0

7384225419 (2) TIRE, FRONT 11R24.5 HSC1 (CONTINENTAL) 472 rev/mile, load range H, 16 ply

28/0 28

7384225419 (8) TIRE, REAR 11R24.5 HSC1 (CONTINENTAL) 472 rev/mile, load range H, 16 ply

0/112 112

810000 FIFTH WHEEL LOCATION On Rear Axle Centerline 0/0 0

**Total Component Weight: 7700/9754 17454**

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