

TENCO Industries

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Tenco Industries is pleased to offer you the following information at your request:

One (1) Tenco Model H345-FW

Custom tilting front hitch with LED plow lights, front lift hinge remote, and hitch portion of Tenco-Loc system

One (1) Tenco Model FFH48-R

48" full hydraulic front post

One (1) Tenco Model FRH48-R

48" full hydraulic rear tower, armature, push arms, and floating wing adapter

One (1) Tenco Model TCO-11S-63-SR-ST

Front one way plow with steel moldboard, 132" cutting edge, 34" nose height, 63" discharge height, rubber snow deflector, plow marker, and plow portion of Tenco-Loc system

One (1) Tenco Model TCW-11H-39-N-R

Right hand wing with 132" cutting edge, 3/16" wing skin, 32" intake height, 39 1/2" discharge height, and LED wing light

One (1) Tenco Model P48R

4-8-30 trip hinge with aeon rubber compression spring

One (1) Tenco Model TCB-14-T-CH-S-CH-LF

14 ft. 12M combination dump body and material spreader with single acting telescopic hoist, side tilt, 1/4" thick Hardox 450 floor / tailgate, 3/16" Hardox 450 sides / ends with clean side construction, Hardox 450 rated at 210,000 psi. Rear posts of body constructed from 3/16" stainless steel.

Body to Include:

Air actuated tailgate, 36" cab protector, 39" sides, 51" tailgate, 12.35 cubic yard water level capacity, conveyor cover plate, body safety props, oval amber LED lights mounted in rear corner posts with all other Federal and NYS required lighting (LED s/t/t, LED back up), 12" rear apron, full grease extension set (side tilt, bearings, hoist, chain adjusters), folding ladder, interior body step, shovel bracket, body up light, mud flaps, poly fenders, **Roll-Rite** aluminum electric tarp system, one LED spinner light, cab mounted light bar assembly with (2) LED strobe bars, body to be powder coated, color will be black. Also Include Top Screens.

SPECIFICATION PROPOSAL

Description

Price Level

WESTERN STAR 4700 PRL-09T (EFF:08/05/14)

Data Version

SPECPRO21 DATA RELEASE VER 036

Vehicle Configuration

4700 SET-FORWARD FRONT AXLE CHASSIS
SET FORWARD AXLE - TRUCK
TRAILER TOWING PROVISION AT END OF
FRAME FOR TRUCK
LH PRIMARY STEERING LOCATION

General Service

TRUCK/TRAILER CONFIGURATION
DOMICILED, USA 50 STATES (INCLUDING
CALIFORNIA AND CARB OPT-IN STATES)
CONSTRUCTION SERVICE
GOVERNMENT BUSINESS SEGMENT
DIRT/SAND/ROCK COMMODITY
TERRAIN/DUTY: 10% (SOME) OF THE TIME, IN
TRANSIT, IS SPENT ON NON-PAVED ROADS
MAXIMUM 8% EXPECTED GRADE
MAINTAINED GRAVEL OR CRUSHED ROCK -
MOST SEVERE IN-TRANSIT (BETWEEN SITES)
ROAD SURFACE
WESTERN STAR VOCATIONAL WARRANTY
EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs
EXPECTED REAR DRIVE AXLE(S) LOAD :
46000.0 lbs
EXPECTED GROSS VEHICLE WEIGHT CAPACITY
: 66000.0 lbs
EXPECTED GROSS COMBINATION WEIGHT :
80000.0 lbs

Description

Truck Service

FRONT PLOW/END DUMP BODY

Tractor Service

FLATBED TRAILER
SINGLE (1) TRAILER

Engine

DETROIT DD13 12.8L 470 HP @ 1625 RPM, 1900
GOV RPM, 1650 LB/FT @ 975 RPM

Electronic Parameters

65 MPH ROAD SPEED LIMIT
CRUISE CONTROL SPEED LIMIT SAME AS ROAD
SPEED LIMIT
5 MINUTES IDLE SHUTDOWN WITH CLUTCH
AND SERVICE BRAKE OVERRIDE
PTO MODE ENGINE RPM LIMIT - 1100 RPM
PTO RPM WITH CRUISE SET SWITCH - 700 RPM
PTO RPM WITH CRUISE RESUME SWITCH - 800
RPM
PTO MODE CANCEL VEHICLE SPEED - 5 MPH
PTO GOVERNOR RAMP RATE - 250 RPM PER
SECOND
ONE REMOTE PTO SPEED
REMOTE PTO SPEED 1 SETTING - 900 RPM
SOFT CRUISE CONTROL ENABLED
PTO MINIMUM RPM - 600

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010
EPA/CARB/GHG17 BUT NOT FINAL GHG17
CONFIGURATION
2008 CARB EMISSION CERTIFICATION - CLEAN
IDLE (INCLUDES 6X4 INCH LABEL ON LOWER
FORWARD CORNER OF DRIVER DOOR)
STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND FILL
ONE PIECE VALVE COVER
SIDE OF HOOD AIR INTAKE WITH FIREWALL
MOUNTED DONALDSON AIR CLEANER WITH
SAFETY ELEMENT AND INSIDE/OUTSIDE AIR
WITH SNOW DOOR
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD
ALTERNATOR WITH REMOTE BATTERY VOLT
SENSE

Description

(3) ALLIANCE ABSORBED GLASS MAT MODEL
7A31, GROUP 31, 12 VOLT MAINTENANCE FREE
2190 CCA THREADED STUD BATTERIES

PASSENGER SEAT BATTERY BOX VENTED TO
OUTSIDE OF CAB

BATTERY BOX MOUNTED UNDER PASSENGER
SEAT

WIRE GROUND RETURN FOR BATTERY CABLES
WITH ADDITIONAL FRAME GROUND RETURN

PLASTIC BATTERY BOX COVER

POSITIVE LOAD DISCONNECT WITH CAB
MOUNTED CONTROL SWITCH MOUNTED
OUTBOARD DRIVER SEAT

POSITIVE AND NEGATIVE POSTS FOR
JUMPSTART LOCATED ON FRAME NEXT TO
STARTER

BW MODEL BA-921 19.0 CFM SINGLE CYLINDER
AIR COMPRESSOR WITH SAFETY VALVE

AIR COMPRESSOR DISCHARGE LINE

ELECTRONIC ENGINE INTEGRAL SHUTDOWN
PROTECTION SYSTEM

JACOBS COMPRESSION BRAKE

RH OUTBOARD UNDER STEP MOUNTED
HORIZONTAL AFTERTREATMENT SYSTEM
ASSEMBLY WITH RH B-PILLAR MOUNTED
VERTICAL TAILPIPE

ENGINE AFTERTREATMENT DEVICE,
AUTOMATIC OVER THE ROAD REGENERATION
AND DASH MOUNTED REGENERATION
REQUEST SWITCH

11 FOOT 06 INCH (138 INCH+0/-5.9 INCH)
EXHAUST SYSTEM HEIGHT

RH CURVED VERTICAL TAILPIPE B-PILLAR
MOUNTED ROUTED FROM STEP

13 GALLON DIESEL EXHAUST FLUID TANK

100 PERCENT DIESEL EXHAUST FLUID FILL

STANDARD DIESEL EXHAUST FLUID PUMP
MOUNTING

LH MEDIUM DUTY STANDARD DIESEL EXHAUST
FLUID TANK LOCATION

STAINLESS STEEL AFTERTREATMENT
DEVICE/MUFFLER/TAILPIPE SHIELD

BORG WARNER (KYSOR) REAR AIR ON/OFF
ENGINE FAN CLUTCH

AUTOMATIC FAN CONTROL WITH DASH
SWITCH AND INDICATOR LIGHT, NON ENGINE
MOUNTED

Description

DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR
FULL FLOW OIL FILTER
1500 SQUARE INCH ALUMINUM RADIATOR
MOUNTING FOR FIREWALL MOUNTED SURGE TANK
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
RADIATOR DRAIN VALVE
NO RADIATOR/OIL PAN GUARD
1350 ADAPTER FLANGE FOR FRONT PTO PROVISION
PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER
PHILLIPS-TEMRO 300 WATT/115 VOLT OIL PREHEATER
CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR
ALUMINUM FLYWHEEL HOUSING
DELCO 12V MOD 3.175-39MT+ OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH

Transmission

ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

Transmission Equipment

ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV
ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 3, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

Description

PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

ENHANCED CONVERTER LOAD RELEASE - DISABLED, AVAILABLE FOR ALL PRODUCT FAMILIES ONLY

PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE

BODY LIGHTING INTERFACE BLUNT CUT WIRING WITH FUSE PANEL WIRE MOUNTED BETWEEN DRIVER AND PASSENGER SEATS

ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR, BLUNT CUT, MOUNTED BETWEEN DRIVER AND PASSENGER SEATS

CUSTOMER INSTALLED CHELSEA 277 SERIES PTO

PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION

MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN

PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED

TRANSMISSION PROGNOSTICS - ENABLED 2013

WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED

TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK

SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE

MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES

NON-ASBESTOS FRONT BRAKE LINING

CONMET CAST IRON FRONT BRAKE DRUMS

FRONT BRAKE DUST SHIELDS

Description

SKF SCOTSEAL PLUS XL FRONT OIL SEALS
VENTED FRONT HUB CAPS WITH WINDOW,
CENTER AND SIDE PLUGS - OIL
STANDARD SPINDLE NUTS FOR ALL AXLES
HALDEX AUTOMATIC FRONT SLACK
ADJUSTERS
STANDARD KING PIN BUSHINGS
TRW THP-60 POWER STEERING WITH RCH45
AUXILIARY GEAR
POWER STEERING PUMP
4 QUART POWER STEERING RESERVOIR
OIL/AIR POWER STEERING COOLER
SYNTHETIC 75W-90 FRONT AXLE LUBE

Front Suspension

9,500# LEFT, 10,500# RIGHT MIXER/PLOW FLAT
LEAF FRONT SUSPENSION (20,000#)
GRAPHITE BRONZE BUSHINGS WITH SEALS -
FRONT SUSPENSION
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RT-46-160 46,000# R-SERIES TANDEM REAR
AXLE
5.63 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH STANDARD
AXLE HOUSING
MXL 176T MERITOR EXTENDED LUBE MAIN
DRIVELINE WITH HALF ROUND YOKES
MXL 17T MERITOR EXTENDED LUBE INTERAXLE
DRIVELINE WITH HALF ROUND YOKES
DRIVER CONTROLLED TRACTION
DIFFERENTIAL - BOTH TANDEM REAR AXLES
(1) INTERAXLE LOCK VALVE, (1) DRIVER
CONTROLLED DIFFERENTIAL LOCK FORWARD-
REAR AND REAR-REAR AXLE VALVE
INDICATOR LIGHT FOR EACH INTERAXLE
LOCKOUT SWITCH
INDICATOR LIGHT FOR EACH DRIVER
CONTROLLED TRACTION DEVICE SWITCH
MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY
CAM REAR BRAKES, DOUBLE ANCHOR,
FABRICATED SHOES
NON-ASBESTOS REAR BRAKE LINING
BRAKE CAMS AND CHAMBERS ON FORWARD
SIDE OF DRIVE AXLE(S)

Description

CONMET CAST IRON REAR BRAKE DRUMS
REAR BRAKE DUST SHIELDS
SKF SCOTSEAL PLUS XL REAR OIL SEALS
HALDEX GOLDSEAL LONGSTROKE 2-DRIVE
AXLES SPRING PARKING CHAMBERS
HALDEX AUTOMATIC REAR SLACK ADJUSTERS
SYNTHETIC 75W-90 REAR AXLE LUBE

Rear Suspension

TUFTRAC 46,000# REAR SPRING SUSPENSION
TUFTRAC STANDARD RIDE HEIGHT
AXLE CLAMPING GROUP
56 INCH AXLE SPACING
FORE/AFT AND TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - TWO AXLES
(TANDEM)

Brake System

WABCO 4S/4M ABS WITHOUT TRACTION
CONTROL
REINFORCED NYLON, FABRIC BRAID AND WIRE
BRAID CHASSIS AIR LINES
FIBER BRAID PARKING BRAKE HOSE
STANDARD BRAKE SYSTEM VALVES
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE,
NO REAR PROPORTIONING VALVE
WABCO SS-1200 PLUS AIR DRYER WITH
INTEGRAL AIR GOVERNOR AND HEATER
WABCO OIL COALESCING FILTER FOR AIR
DRYER
AIR DRYER FRAME MOUNTED
ALUMINUM AIR BRAKE RESERVOIRS
CLEAR FRAME RAILS FROM BACK OF CAB TO
FRONT REAR SUSPENSION BRACKET, BOTH
RAILS OUTBOARD
PULL CABLE ON WET TANK, PETCOCK DRAIN
VALVES ON ALL OTHER AIR TANKS

Trailer Connections

AIR CONNECTIONS TO END OF FRAME WITH
GLAD HANDS FOR TRUCK AND NO DUST
COVERS
PRIMARY CONNECTOR/RECEPTACLE WIRED
FOR SEPARATE STOP/TURN, ABS CENTER PIN
POWERED THROUGH IGNITION

Description

SAE J560 7-WAY PRIMARY TRAILER CABLE
RECEPTACLE MOUNTED END OF FRAME

Wheelbase & Frame

5250MM (207 INCH) WHEELBASE
1/2X3.64X11-7/8 INCH STEEL FRAME
(12.7MMX301.6MM/0.5X11.88 INCH) 120KSI
PARTIAL INNER FRAME REINFORCEMENT AT
FRONT SUSPENSION
BODY COMPANY INSTALLED ADDITIONAL
FRONT FRAME REINFORCEMENT FOR SNOW
PLOW
1600MM (63 INCH) REAR FRAME OVERHANG
FRAME OVERHANG RANGE: 61 INCH TO 70
INCH
24 INCH INTEGRAL FRONT FRAME EXTENSION
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) :
125.78 in
CALCULATED EFFECTIVE BACK OF CAB TO
REAR SUSPENSION C/L (CA) : 122.78 in
CALC'D FRAME LENGTH - OVERALL : 321.69
CALC'D SPACE AVAILABLE FOR DECKPLATE :
125.78 in
CALCULATED FRAME SPACE LH SIDE : 56.21 in
CALCULATED FRAME SPACE RH SIDE : 75.09 in
SQUARE END OF FRAME
STANDARD WEIGHT ENGINE CROSSMEMBER
STANDARD CROSSMEMBER BACK OF
TRANSMISSION
STANDARD MIDSHIP #1 CROSSMEMBER(S)
STANDARD REARMOST CROSSMEMBER
HEAVY DUTY SUSPENSION CROSSMEMBER
STANDARD WEIGHT REAR SUSPENSION
CROSSMEMBER

Chassis Equipment

14 INCH PAINTED STEEL BUMPER
BUMPER MOUNTING FOR SINGLE LICENSE
PLATE
FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS
GRADE 8 THREADED HEX HEADED FRAME
FASTENERS

Fuel Tanks

80 GALLON/302 LITER ALUMINUM FUEL TANK -
LH

Description

25 INCH DIAMETER FUEL TANK(S)
PLAIN ALUMINUM/PAINTED STEEL
FUEL/HYDRAULIC TANK(S) WITH PAINTED
BANDS
FUEL TANK(S) FORWARD
PLAIN STEP FINISH
FUEL TANK CAP(S)
EQUIFLO INBOARD FUEL SYSTEM
HIGH TEMPERATURE REINFORCED NYLON
FUEL LINE
FUEL COOLER MOUNTED RIGHT HAND IN RAIL

Tires

MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL
FRONT TIRES
MICHELIN XDS 12R22.5 16 PLY RADIAL REAR
TIRES

Hubs

CONMET PRESET PLUS IRON FRONT HUBS
CONMET PRESET PLUS IRON REAR HUBS

Wheels

ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB
PILOT 5.99 INSET ALUMINUM FRONT WHEELS
ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB
PILOT 5.99 INSET ALUMINUM REAR WHEELS
FRONT WHEEL MOUNTING NUTS
REAR WHEEL MOUNTING NUTS
NYLON WHEEL GUARDS FRONT AND REAR ALL
INTERFACES

Cab Exterior

110 INCH BBC STEEL CONVENTIONAL CAB
WESTERN STAR PAINTED ALUMINUM CAB
SKIRT
AIR CAB MOUNTS WITH CHECK VALVE
NONREMOVABLE BUGSCREEN MOUNTED
BEHIND GRILLE
FRONT FENDERS
2 INCH FENDER EXTENSIONS
LH AND RH EXTERIOR GRAB HANDLES WITH
RUBBER INSERT AND LH AND RH INTERIOR
GRAB HANDLES MOUNTED TO A POST
STATIONARY BRIGHT FINISH GRILLE
CHROME HOOD MOUNTED AIR INTAKE GRILLE

Description

GALVANEAELED STEEL SEVERE SERVICE CAB
FIBERGLASS HOOD WITH ACCESS HATCHES
TUNNEL/FIREWALL LINER
DUAL HADLEY SD-978 26 INCH RECTANGULAR
AIR HORNS
SINGLE ELECTRIC HORN
DUAL HORN SHIELDS
ALL UNITS KEYED THE SAME WITH (3) KEYS,
KEY CODE TO BE D519
REAR LICENSE PLATE MOUNT END OF FRAME
SWITCH, INDICATOR LIGHT AND WIRING FOR
(2) CUSTOMER FURNISHED BEACONS
SINGLE RECTANGULAR SEALED BEAM
HEADLIGHTS WITH BRIGHT BEZELS
LED MARKER LAMPS
WIRING AND SWITCH FOR CUSTOMER
FURNISHED SNOW PLOW LAMPS WITH DUAL
CONNECTIONS AT BUMPER
DAYTIME RUNNING LIGHTS
INTEGRAL STOP/TAIL/BACKUP LIGHTS
STANDARD FRONT TURN SIGNAL LAMPS
DUAL WEST COAST STAINLESS STEEL HEATED
MIRRORS WITH LIGHTS AND LH AND RH
REMOTE
DOOR MOUNTED MIRRORS
102 INCH EQUIPMENT WIDTH
LH AND RH SUREPLUS 574 8 INCH BRIGHT
FINISH HEATED CONVEX MIRRORS WITH
SEPARATE ADJUSTMENT, MOUNTED BELOW
MIRROR
STANDARD SIDE/REAR REFLECTORS
ELECTRIC DOOR LOCKS, MECHANICAL KEY
TUMBLER
RH AFTERTREATMENT SYSTEM CAB ACCESS
WITH PLAIN DIAMOND PLATE COVER
STAINLESS STEEL EXTERIOR SUN VISOR
17.5X35 INCH TINTED REAR WINDOW
TINTED DOOR GLASS
RH AND LH ELECTRIC POWERED WINDOWS
2-PIECE TINTED CURVED GASKET MOUNTED
HEATED WINDSHIELD
2 GALLON WINDSHIELD WASHER RESERVOIR
WITHOUT FLUID LEVEL INDICATOR, MOUNTED
UNDER CAB, WITH REMOTE FILL

Description

Cab Interior

SMOKY MOUNTAIN GRAY VINYL PREMIUM INTERIOR
BLACK HARD TRIM
BASE LEFT HAND DOOR TRIM
BASE RIGHT HAND DOOR TRIM
BLACK MATS WITH DOUBLE INSULATION
DASH MOUNTED ASH TRAY AND (1) POWER OUTLET
FORWARD ROOF MOUNTED CONSOLE
PASSENGER SIDE WING DASH MOUNTED GLOVE BOX WITH LOCKING DOOR
14"X7.75" DOCUMENT POUCH MOUNTED ON BACK WALL BETWEEN SEATS
LH AND RH DOOR MAP POCKETS
COAT HOOK ON RH BACKWALL OF CAB
(1) CUP HOLDER MOUNTED IN BOTTOM CENTER OF DASH
TWO-TONE CHARCOAL UPPER/COOL GRAY LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER
STANDARD WIRING
5 LB. FIRE EXTINGUISHER
HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER
HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER AND OUTSIDE PRE-FILTER
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
STANDARD HEATER PLUMBING
DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR
RADIATOR MOUNTED AIR CONDITIONER CONDENSER
BINARY CONTROL, R-134A
CAB INSULATION
AUTOMATIC SELF-RESET CIRCUIT BREAKER IN MAIN DASH POWER DISTRIBUTION BOX AND CIRCUIT BREAKER/FUSE IN AUXILIARY POWER DISTRIBUTION BOXES
DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS

Description

LH AND RH ELECTRIC DOOR LOCKS
(1) 12 VOLT POWER SUPPLY IN DASH
TRIANGULAR REFLECTORS KIT WITHOUT
FLARES SHIPPED LOOSE IN CAB
PREMIUM HIGH BACK AIR SUSPENSION DRIVER
SEAT WITH 3 CHAMBER AIR LUMBAR,
INTEGRATED CUSHION EXTENSION, FORWARD
AND REAR CUSHION TILT, ADJUSTABLE SHOCK
ABSORBER
BATTERY BOX MID BACK NON SUSPENSION
PASSENGER SEAT
BLACK SUSPENSION COVER FOR AIR DRIVER
SEAT
DUAL DRIVER SEAT ARMRESTS, NO
PASSENGER SEAT ARMRESTS
BLACK CORDURA PLUS CLOTH DRIVER SEAT
COVER
BLACK CORDURA PLUS CLOTH PASSENGER
SEAT COVER
3 POINT DRIVER AND PASSENGER SEAT BELT
RETRACTORS
ADJUSTABLE TILT AND TELESCOPING
STEERING COLUMN
2-SPOKE 18 INCH (450MM) BLACK LEATHER
WRAPPED STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN
VISORS

Instruments & Controls

NON-ADJUSTABLE SUSPENDED PEDALS
STAR GAUGES WITH BRIGHT BEZELS
ROYAL ROSEWOOD MATTE FINISH DRIVER
INSTRUMENT PANEL
ROSEWOOD VINYL MATTE FINISH CENTER
INSTRUMENT PANEL INSERT
LOW AIR PRESSURE INDICATOR LIGHT AND
AUDIBLE ALARM
2 INCH PRIMARY AND SECONDARY AIR
PRESSURE GAUGES
FILTERMINDER DASH MOUNTED AIR
RESTRICTION GAUGE
97 DB BACKUP ALARM
CRUISE CONTROL SWITCHES IN THE CENTER
PANEL
KEY OPERATED IGNITION SWITCH AND
INTEGRAL START POSITION; 4 POSITION
OFF/RUN/START/ACCESSORY

Description

DATASTAR DRIVER DISPLAY AND WARNING LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED

HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH

2 INCH ELECTRIC FUEL GAUGE

FUEL FILTER RESTRICTION INDICATOR

PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE

ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE

ENGINE OIL TEMPERATURE GAUGE

2 INCH TRANSMISSION OIL TEMPERATURE GAUGE

OUTSIDE AIR TEMPERATURE GAUGE WITH FAHRENHEIT AND CELSIUS DISPLAY MOUNTED IN OVERHEAD CONSOLE

(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP

ELECTRIC ENGINE OIL PRESSURE GAUGE

AM/FM/WB RADIO WITH CD PLAYER, BLUETOOTH AND MICROPHONE, USB, FRONT AND REAR AUXILIARY INPUTS AND J1939

ROOF/OVERHEAD CONSOLE MOUNTED RADIO

(4) RADIO SPEAKERS IN CAB

AM/FM ANTENNA MOUNTED ON LH FRONT A-PILLAR

POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE

MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM

ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER

STANDARD VEHICLE SPEED SENSOR

ELECTRONIC 3000 RPM TACHOMETER WITH HOUR METER

DETROIT CONNECT VIRTUAL TECHNICIAN CONNECTIVITY PACKAGE (DETROIT ENGINES ONLY)

2 YEARS DETROIT CONNECT VIRTUAL TECHNICIAN REMOTE DIAGNOSTICS SERVICE

IGNITION SWITCH CONTROLLED ENGINE STOP

SIX IGNITION CONTROLLED EXTRA SWITCHES WITH INDICATOR LIGHT, 10 AMPS, WIRED BETWEEN DRIVER AND PASSENGER SEATS

BW TRACTOR PROTECTION VALVE

Description

TRAILER HAND CONTROL BRAKE VALVE
2 INCH VOLTMETER
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR
WITH DELAY AND ARCTIC TYPE BLADES
CAB MARKER LIGHT AND HEADLIGHT SWITCH
WITH SEPARATE SWITCH AND TERMINALS FOR
CUSTOMER FURNISHED SNOW PLOW LIGHTS
AND TURN SIGNALS
TWO VALVE PARKING BRAKE SYSTEM WITH
WARNING INDICATOR
SELF CANCELING TURN SIGNAL SWITCH WITH
INTEGRAL HEADLAMP DIMMER WITH BRAKE
OVERRIDE
PACIFIC INSIGHT ELECTRONIC FLASHER

Design

PAINT: ONE SOLID COLOR

Color

CAB COLOR A: L2889EB WOODLAND GREEN
ELITE BC
CAB INTERIOR PAINTED SAME AS CAB COLOR
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
PAINT
BUMPER PAINTED SAME AS CHASSIS

Certification / Compliance

U.S. FMVSS CERTIFICATION, EXCEPT SALES
CABS AND GLIDER KITS

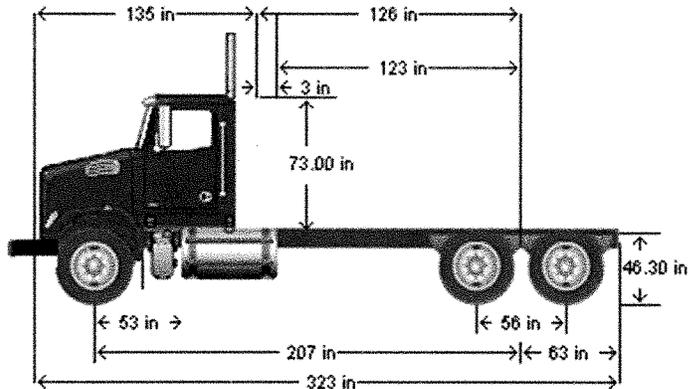
Secondary Factory Options

NO PDI INSTALLED GRILLE/HOOD TRIM

Dealer Installed Options

	Weight Front	Weight Rear
TENCO PACKAGE QUOTED	0	0
HOOD MOUNTED MIRRORS	0	0
Total Dealer Installed Options	0 lbs	0 lbs

D I M E N S I O N S



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model.....	4700SF
Wheelbase (545)	5250MM (207 INCH) WHEELBASE
Rear Frame Overhang (552).....	1600MM (63 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577).....	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in).....	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in).....	0
Slide Increment (in).....	0
Desired Slide Position (in).....	0.0
Cab Size (829).....	110 INCH BBC STEEL CONVENTIONAL CAB
Sleeper (682).....	NO SLEEPER BOX/SLEEPERCAB
Exhaust System (016).....	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	134.5
Bumper to Centerline of Front Axle (BA)	53.3
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	125.8
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	122.8
Back of Cab Protrusions (Exhaust/Intake) (CP)	1.5
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	188.8
Cab Height (CH)	73.0
Wheelbase (WB)	207.0
Frame Overhang (OH)	63.0
Overall Length (OAL)	323.3
Rear Axle Spacing	56.0
Unladen Frame Height at Centerline of Rear Axle	46.3

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

G V W R

VEHICLE SPECIFICATIONS SUMMARY - GVWR

Model.....	4700SF
Cab Size (829).....	110 INCH BBC STEEL CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs).....	20000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs).....	46000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs).....	66000
Expected GCW (lbs).....	80000.0
Front Axle (400).....	MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE
Front Suspension (620).....	9,500# LEFT, 10,500# RIGHT MIXER/PLOW FLAT LEAF FRONT SUSPENSION (20,000#)
Front Hubs (418).....	CONMET PRESET PLUS IRON FRONT HUBS
Front Disc Wheels (502).....	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS
Front Tires (093).....	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES
Front Brakes (402).....	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Steering Gear (536).....	TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR
Rear Axle (420).....	RT-46-160 46,000# R-SERIES TANDEM REAR AXLE
Rear Suspension (622).....	TUFTRAC 46,000# REAR SPRING SUSPENSION
Rear Hubs (450).....	CONMET PRESET PLUS IRON REAR HUBS
Rear Disc Wheels (505).....	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM REAR WHEELS
Rear Tires (094).....	MICHELIN XDS 12R22.5 16 PLY RADIAL REAR TIRES
Rear Brakes (423).....	MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Pusher / Tag Axle (443).....	NO PUSHER OR TAG AXLE
Pusher / Tag Suspension (626).....	NO PUSHER OR TAG SUSPENSION
Pusher / Tag Hubs (449).....	NO PUSHER OR TAG HUBS
Pusher/Tag Disc Wheels (509).....	NO PUSHER/TAG DISC WHEELS
Pusher / Tag Tires (095).....	NO PUSHER/TAG TIRES
Pusher / Tag Brakes (456).....	NO PUSHER/TAG BRAKES

TABLE SUMMARY - GVWR

	Front	Rear 1	Rear 2
Axle Component Weight Ratings			
Axles	20000	23000	23000
Suspension	20000	23000	23000
Hubs	23000	26000	26000
Brakes	20000	24999	24999
Wheels	20000	40000	40000
Tires	20000	27120	27120
Power Steering	22000	N/A	N/A
GAWR (per axle)	20000	23000	23000
GAWR (per axle system)	20000		46000
Expected Load (per axle system)	20000		46000
Vehicle GVWR Summary			
Calculated GVWR	66000		
Expected GVWR	66000		
All weights displayed in pounds			

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

Hydraulics to Include:

- Front mounted tandem pump with electric clutch for disengagement, powered by engine through a 1200 series driveline
- Valve body to be mounted behind cab in a steel enclosure, right side
- All valves and controls are to be air actuated
- 40 Gallon reservoir with 1 1/4" shut off valves mounted behind cab, left side
- Low oil level sensor with automatic shutdown and override control
- 2FFL-12 dual knob sander control
- Hard pipe to rear of body shall be stainless steel with short hoses as required
- Hydraulic lines to front hitch and pump shall be stainless steel with short hoses as required
- Quick couplers for all detachable equipment
- Plow controls to be mounted on swinging pedestal per request
- All valves, oils, and controls for the complete operations of dump body, plow equipment, and sander