P/05-4	L-21 SERVICE
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CITY OF BROOK PARK, OHIO

ORDINANCE NO: 11197-3031

INTRODUCED BY: MAYOR GAMMELLA

AN ORDINANCE

AUTHORIZING THE MAYOR TO ENTER INTO A CONTRACT WITH STOOPS WESTERN STAR OF OHIO (ODOT CO-OP PURCHASING 023-21) FOR THE PURCHASE OF A WESTERN STAR TRUCK CHASSIS TO BE PACKAGED WITH A HENDERSON DUMP BODY, AND DECLARING AN EMERGENCY

NOW THEREFORE, BE IT ORDAINED, by the Council of the City of Brook Park, State of Ohio, that:

SECTION 1: The Mayor is hereby authorized to enter into a contract with Stoops Western Star of Ohio, through ODOT Co-Op Purchasing 023-21, a copy of said contract is attached hereto and incorporated herein as Exhibit "A".

SECTION 2: The money needed for the aforesaid transaction shall be paid from 401-432 Capital Funds, and shall not exceed \$90,217.00.

SECTION 3: It is found and determined that all formal actions of this Council concerning and relating to the adoption of this Ordinance were adopted in an open meeting of this Council, and that all deliberations of this Council and of any of its committees that resulted in such formal action were in meetings open to the public in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

SECTION 4: This Ordinance is hereby declared to be an emergency measure immediately necessary for the preservation of the public peace, health, safety and welfare of said City, and for the further reason to authorize the Mayor to enter into ODOT Co-Op Purchasing 023-21 contract with Stoops Western Star of Ohio; therefore provided this Ordinance receives the affirmative vote of at least five (5) members elected to Council it shall take effect and be in force immediately from and after its passage and approval by the Mayor; otherwise, from and after the earliest period allowed by law.

PASSED: May 18, 2021_	Miff Venhio
	PRESIDENT OF COUNCIL
ATTEST: Mulle Black CLERK OF COUNCIDE	APPROVED: MAYOR
	5/20/2021 DATE
CERTIFICATE Michelle Blazak, Clerk of Council, of the City of Brook Park, Ohio, do hereby certify that the foregoing is a true and accurate copy of Ordinance/Resolution No. Passed on the Aday of Day 20 by said council. Clerk of Council	i, Micheile Biazak, Clerk of Council for the City of Brook Park, State of Ohio, do hereby cartify that there is no newspaper of general circulation in the municipality and that publication of the foregoing ordinances resolutions was made by posting true copies at five of the most public location. City Hall 6161 Engle Road, Police Station 17401 Holland Road #2 Fire Station 22530 Ruple Parkway, #3 Fire Station 17401 Holland Road Brook Park Library \$465 Engle Road, for a period of fifteen days. Commencing MiCHELLE BLAZIK Clerk of Council

Troyer
Mencini
Orcutt
Scott
Schmuck
Poindexter
Salvatore

Yea Nay

Nay

Nay

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DIRECTOR OF LAVA

BROOKPARK, OH 44142 Phone: 440-227-4159



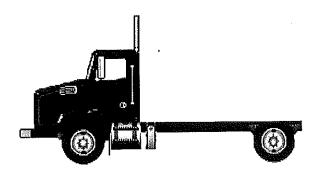
Prepared by:
Dave Hibner
STOOPS WESTERN STAR OF
OHIO
1770 WAPAK FISHER RD
WAPAKONETA, OH 45895
Phone: 419-230-9684

A proposal for BROOK PARK CITY OF ODOT CO-OP PURCHASING Contract 023-21

Prepared by STOOPS WESTERN STAR OF OHIO Dave Hibner

Apr 16, 2021

Western Star 4700SB



Components shown may not reflect all spec'd options and are not to scale

Application Version 11.6.103 Data Version PRL-24T.013 BrookPark 4-09-21



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BROOKPARK, OH 44142 Phone: 440-227-4159 Prepared by:
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Phone: 419-230-9684

QUOTATION

4700 SET-BACK FRONT AXLE CHASSIS

SET BACK AXLE - TRUCK

CUM L9 330 HP @ 2200 RPM; 2200 GOV RPM, 1000 LB-FT @ 1200 RPM

ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

RS-23-160 23,000# R-SERIES SINGLE REAR AXLE 30,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD

MFS-14-143A 14,700# FF1 71.5 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE

16,000# FLAT LEAF FRONT SUSPENSION
110 INCH BBC STEEL CONVENTIONAL CAB
4050MM (159 INCH) WHEELBASE
11/32X3-1/2X10-15/16 INCH STEEL FRAME
(8.73MMX277.8MM/0.344X10.94 INCH) 120KSI
1275MM (50 INCH) REAR FRAME OVERHANG
PARTIAL INNER FRAME REINFORCEMENT AT FRONT
SUSPENSION

BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW

			PER UNIT	TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	90,333	\$ 90,333
EXTENDED WARRANTY		\$	0	\$ 0
DEALER INSTALLED OPTIONS		\$	0	\$ 0
CUSTOMER PRICE BEFORE TAX		\$	90,333	\$ 90,333
TAXES AND FEES		a da b		
FEDERAL EXCISE TAX (FET)		\$	(191)	\$ (191)
TAXES AND FEES		\$	75	\$ 75
OTHER CHARGES		\$	0	\$ 0
TRADE-IN				
TRADE-IN ALLOWANCE		\$	(0)	\$ (0)
BALANCE DUE	(LOCAL CURRENCY)	\$	90,217	\$ 90,217
COMMENTS:				
Projected delivery on/ / provided the	order is received before	/	/	
APPROVAL:				
Please indicate your acceptance of this quotation b	y signing below:			
Customer: X	Date:/	/		

Daimler Truck Financial

Financing that works for you.

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Daimler Truck Financial offers a variety of finance, lease and insurance solutions to fit your business needs. For more information about our products and services, visit our website at www.daimler-truckfinancial.com.

Application Version 11.6.103 Data Version PRL-24T.013 BrookPark 4-09-21



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AND CORRECTNESS Page 2 of 21

-DIERO(UZ) E PET

BROOKPARK, OH 44142 Phone: 440-227-4159

Prepared by: Dave Hibner STOOPS WESTERN STAR OF OHIO 1770 WAPAK FISHER RD WAPAKONETA, OH 45895 Phone: 419-230-9684

SPECIFICATION PROPOSAL

Weight Weight Front Rear Description Price Level WESTERN STAR 4700 PRL-24T (EFF:01/19/21) **Data Version** SPECPRO21 DATA RELEASE VER 013 Vehicle Configuration 4700 SET-BACK FRONT AXLE CHASSIS 9,215 6,480 2022 MODEL YEAR SPECIFIED SET BACK AXLE - TRUCK STRAIGHT TRUCK PROVISION, NON-TOWING LH PRIMARY STEERING LOCATION General Service

TRUCK CONFIGURATION

DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)

CONSTRUCTION SERVICE

GOVERNMENT BUSINESS SEGMENT

DIRT/SAND/ROCK COMMODITY

TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS

MAXIMUM 8% EXPECTED GRADE

SMOOTH CONCRETE OR ASPHALT PAVEMENT -MOST SEVERE IN-TRANSIT (BETWEEN SITES)

ROAD SURFACE

WESTERN STAR VOCATIONAL WARRANTY

EXPECTED FRONT AXLE(S) LOAD: 14700.0 lbs

EXPECTED REAR DRIVE AXLE(S) LOAD:

23000.0 lbs

EXPECTED GROSS VEHICLE WEIGHT CAPACITY

; 37700.0 lbs

Truck Service

FRONT PLOW/END DUMP BODY



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Description	Weight Front	Weight Rear	
EXPECTED TRUCK BODY LENGTH: 11.0 ft			
NO MFR'S/BODY TYPE IDENTIFICATION Engine			
1000 LB-FT @ 1200 RPM	-030	-10	
Electronic Parameters			

75 MPH ROAD SPEED LIMIT

CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT

PTO MODE ENGINE RPM LIMIT - 900 RPM

PTO MODE BRAKE OVERRIDE - SERVICE

BRAKE APPLIED

PTO RPM WITH CRUISE SET SWITCH - 900 RPM

PTO RPM WITH CRUISE RESUME SWITCH - 900

RPM

PTO MODE CANCEL VEHICLE SPEED - 5 MPH

PTO GOVERNOR RAMP RATE - 250 RPM PER

SECOND

PTO MINIMUM RPM - 700

REGEN INHIBIT SPEED THRESHOLD - 5 MPH

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG21 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

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

(3) DTNA GENUINE, AGM STARTING AND CYCLING, MIN 2190CCA, 570RC, THREADED STUD BATTERIES

PASSENGER SEAT BATTERY BOX VENTED TO OUTSIDE OF CAB

BATTERY BOX MOUNTED UNDER PASSENGER SEAT

10

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	Weight	Welght	
Description	Front	Rear	
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			
PLASTIC BATTERY BOX COVER			
POSITIVE LOAD DISCONNECT WITH DASH MOUNTED CONTROL SWITCH	8		
LOW VOLTAGE BATTERY DISCONNECT AT 12.3 VOLTS FOR ISOLATED CIRCUITS WITH LOCAL ALARM			
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			
AIR COMPRESSOR DISCHARGE LINE			
ELECTRONIC ENGINE INTEGRAL WARNING AND DERATE PROTECTION SYSTEM			
CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF	20		
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			
10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT			
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP			
6 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			
HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE			
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			
CUMMINS SPIN ON FUEL FILTER			
COMBINATION FULL FLOW/BYPASS OIL FILTER			
1300 SQUARE INCH ALUMINUM RADIATOR	-20		
MOUNTING FOR FIREWALL MOUNTED SURGE TANK			



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	Description	Weight Front	Weight Rear	*
	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			
	LOWER RADIATOR GUARD			
	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4		
	NO OIL PREHEATER			
•	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			
	ALUMINUM FLYWHEEL HOUSING			
	ELECTRIC GRID AIR INTAKE WARMER			
	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH	-35		
Transmission				
	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	-230	-130	
Transmission Equip	ment			

ALLISON VOCATIONAL PACKAGE 223 -AVAII ABI F ON 3000/4000 PRODUCT FAM

ALLISON VOCATIONAL PACKAGE 223 -AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND

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 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

S1 PERFORMANCE PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

S2 PERFORMANCE 2 SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

1950 RPM PRIMARY MODE SHIFT SPEED 1750 RPM SECONDARY MODE SHIFT SPEED

MAXIMUM ENGINE SPEED FOR PTO OPERATION 3000 RPM



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Description

Weight Front Weight Rear

MAXIMUM OUTPUT SPEED FOR PTO ENGAGEMENT 4000 RPM

MAXIMUM OUTPUT SPEED FOR PTO OPERATION 4000 RPM - ALLISON 5TH GEN TRANSMISSIONS

ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR

CUSTOMER INSTALLED CHELSEA 280 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, IN RADIATOR END TANK

TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK

SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

MFS-14-143A 14,700# FF1 71.5 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE

MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES

NON-ASBESTOS FRONT BRAKE LINING

CONMET CAST IRON FRONT BRAKE DRUMS

FRONT OIL SEALS

VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL

STANDARD SPINDLE NUTS FOR ALL AXLES

MERITOR AUTOMATIC FRONT SLACK

ADJUSTERS

STANDARD KING PIN BUSHINGS

TRW TAS-85 POWER STEERING

POWER STEERING PUMP

4 QUART POWER STEERING RESERVOIR

SYNTHETIC 40/50W FRONT AXLE LUBE

-130 -10

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Prepared by: Dave Hibner STOOPS WESTERN STAR OF OHIO 1770 WAPAK FISHER RD WAPAKONETA, OH 45895 Phone: 419-230-9684

Weight

	Weight
cription	Front

	Description	Front	Rear	
Front Suspension				
en en en en proposition en	16,000# FLAT LEAF FRONT SUSPENSION			
	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION			
	FRONT SHOCK ABSORBERS			
Rear Axle and Equi	pment			
	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE	-	-2,310	
	6.14 REAR AXLE RATIO			
	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			
	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-60	-60	
	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20	
	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE			
	INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT 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)			
	CONMET CAST IRON REAR BRAKE DRUMS			
	REAR BRAKE DUST SHIELDS		5	
	REAR OIL SEALS			
	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		-20	
	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			
	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE			and the second
Rear Suspension				
The second secon	30,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		150	

SPRING SUSPENSION - NO AXLE SPACERS

STANDARD AXLE SEATS IN AXLE CLAMP **GROUP**

FORE/AFT CONTROL RODS



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	Description	Weight Front	Weight Rear	
Brake System				
	WABCO 4S/4M ABS		***	
	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 SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER			
	AIR DRYER MOUNTED INBOARD ON LH RAIL			
	STEEL AIR TANKS MOUNTED BELOW FRAME RAILS	5	5	
	PETCOCK DRAIN VALVES ON ALL AIR TANK(S)			
Wheelbase & Frame				
	4050MM (159 INCH) WHEELBASE	V. 11 . 12 . 1 . 1 . 1 . 1 . 1 . 1 . 1	*** *** *** *** *** *** **************	
	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	-100	60	
	PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION	195	-5	
	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW			
	1275MM (50 INCH) REAR FRAME OVERHANG			
	FRAME OVERHANG RANGE: 41 INCH TO 50 INCH	10	-80	
	12 INCH INTEGRAL FRONT FRAME EXTENSION	95	-10	
	CALC'D BACK OF CAB TO REAR SUSP C/L (CA): 96.14 in			
	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA): 93.14 in			
	CALC'D FRAME LENGTH - OVERALL: 267.25			
	FRAME HEIGHT TOP FRONT UNLADEN: 42.4 in			
	FRAME HEIGHT TOP FRONT LADEN: 39.5 in			
	FRAME HEIGHT TOP REAR UNLADEN: 41.84 in			
	FRAME HEIGHT TOP REAR LADEN: 39.23 in			
	CALCULATED FRAME SPACE LH SIDE: 55.96 in			
	CALCULATED FRAME SPACE RH SIDE: 121.85 in			
	CALC'D SPACE AVAILABLE FOR DECKPLATE : 89.69 in			



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	Description	Weight Front	Weight Rear
, WATC	Description	TIOIL	Tivai
	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		10
	STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER		
Chassis Equipment			
and the second s	14 INCH CHROMED STEEL BUMPER		
	NO LICENSE PLATE MOUNTING		
	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS		
	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
	EXTERIOR HARNESSES WRAPPED IN CONDUIT		
Fuel Tanks			
	60 GALLON/227 LITER ALUMINUM FUEL TANK - LH		
	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)		
	DAVCO 245 FUEL WATER SEPARATOR WITH 12 VOLT HEAT AND WATER IN FUEL SENSOR	20	
	EQUIFLO INBOARD FUEL SYSTEM		
	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			
	CONTINENTAL HSC 3 12R22.5 16 PLY RADIAL FRONT TIRES	74	
	CONTINENTAL HDC3 11R22.5 16 PLY RADIAL REAR TIRES	and the second seco	96
Hubs			
and a <u>mara di disempandan dan dan dan dan dan dan dan dan da</u>	CONMET PRESET PLUS PREMIUM IRON FRONT		



HUBS

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	Pagasilatian	Weight Front	Weight Rear
	Description	FIOIL	INGI
	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels			
na managana and mahama filoria	ACCURIDE 29039 22,5X9.00 10-HUB PILOT 5.25	66	\$ 944 (4 TO 10 10 10 4 FWA 22 2 TO 10 10 E
	INSET 5-HAND STEEL DISC FRONT WHEELS		
	MAXION WHEELS 90262 22.5X8.25 10-HUB PILOT 5-HAND STEEL DISC REAR WHEELS		36
	FRONT WHEEL MOUNTING NUTS		
	REAR WHEEL MOUNTING NUTS		
Cab Exterior			
The second of the second s	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	5	
	LH AND RH EXTERIOR GRAB HANDLES WITH RUBBER INSERTS AND RH INTERIOR GRAB HANDLE MOUNTED TO A POST		
	STATIONARY BRIGHT FINISH GRILLE		
	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
	GALVANEALED STEEL SEVERE SERVICE CAB		
	FIBERGLASS HOOD		
	HOOD OPENING ASSIST		
	DUAL ROUND AIR HORNS, SINGLE BASE, MOUNTED UNDER CAB		
	DUAL ELECTRIC HORNS		
	ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER D420		
	SINGLE RECTANGULAR H4 HALOGEN HEADLIGHTS WITH BRIGHT BEZELS		•
	(5) AMBER MARKER LIGHTS		
	WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER		
	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
	STANDARD FRONT TURN SIGNAL LAMPS		
	DUAL WEST COAST STAINLESS STEEL HEATED MIRRORS WITH LIGHTS		



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Description

Weight Front

5

Weight Rear

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

RH DOWN VIEW MIRROR

STANDARD SIDE/REAR REFLECTORS

17.5X35 INCH TINTED REAR WINDOW

TINTED DOOR GLASS

RH AND LH ELECTRIC POWERED WINDOWS

2-PIECE TINTED CURVED BONDED WINDSHIELD

2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL

Cab Interior

GRAY VINYL BASE INTERIOR

BLACK HARD TRIM

BASE LEFT HAND DOOR TRIM

BASE RIGHT HAND DOOR TRIM

BLACK MATS WITH SINGLE INSULATION

DASH MOUNTED ASH TRAY AND LIGHTER,

DRIVER SIDE

FORWARD ROOF MOUNTED CONSOLE

LH AND RH DOOR MAP POCKETS

(2) COAT HOOKS ON 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

2-1/2 LB. FIRE EXTINGUISHER MOUNTED OUTBOARD OF DRIVER SEAT

HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT OUTLET TEMPERATURE CONTROL

HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER

MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH

STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES

WESTERN STAR

04/16/2021 8:24 AM

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Weight

10

2

Rear

Weight Description Front

VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR

RADIATOR MOUNTED AIR CONDITIONER CONDENSER

BINARY CONTROL, R-134A

CAB INSULATION

AUTOMATIC SELF-RESET CIRCUIT BREAKERS/FUSES IN DASH POWER DISTRIBUTION BOXES AND FUSES IN AUXILIARY POWER DISTRIBUTION BOXES

DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS

CAB DOOR LATCHES WITH MANUAL DOOR LOCKS

TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB

BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT

BATTERY BOX MID BACK NON SUSPENSION PASSENGER SEAT

INBOARD DRIVER SEAT ARMREST, NO PASSENGER SEAT ARMREST

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

4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES

DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

NON-ADJUSTABLE SUSPENDED PEDALS
ELECTRONIC ACCELERATOR CONTROL
BRIGHT ARGENT FINISH GAUGE BEZELS
ROYAL ROSEWOOD MATTE FINISH DRIVER
INSTRUMENT PANEL



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Weight Front Weight Rear

Description

ROSEWOOD VINYL MATTE FINISH CENTER INSTRUMENT PANEL INSERT

LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM

2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES

INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS

ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES

KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY

ICU4ME DRIVER MESSAGE CENTER WITH GRAPHICAL DISPLAY, BLACK FACE GAUGES, DIAGNOSTICS AND DATA LINKED

HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH

2 INCH ELECTRIC FUEL GAUGE

PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE

ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE

2 INCH TRANSMISSION OIL TEMPERATURE GAUGE

ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER

ELECTRIC ENGINE OIL PRESSURE GAUGE

AM/FMWB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939

ROOF/OVERHEAD CONSOLE MOUNTED RADIO

(4) RADIO SPEAKERS IN CAB

POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE

ROOF/OVERHEAD CONSOLE CB RADIO PROVISION

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

ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER

10



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	Weight	Weight	
Description	Front	Rear	<u>.,,</u>
STANDARD VEHICLE SPEED SENSOR WITH ADDITIONAL SIGNAL FOR CUSTOMER USE LOCATED BETWEEN DRIVER AND PASSENGER SEATS			
ELECTRONIC 3000 RPM TACHOMETER			
NO VEHICLE PERFORMANCE MONITOR	-5		
IGNITION SWITCH CONTROLLED ENGINE STOP			
2 INCH TURBO AIR PRESSURE GAUGE			
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES			
CAB/TRAILER MARKER LIGHT SWITCH WITH SEPARATE HEADLIGHT SWITCH WITH HDLP/MRKR INTERRUPT SWITCH ON STEERING WHEEL & DASH SW FOR CUSTOMER FURNISHED SNOWPLOW LTS			
ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			
SELF CANCELING TURN SIGNAL SWITCH,			

Design

PAINT: ONE SOLID COLOR

HEADLAMP HIGH/LOW AND FLASH, WASH/WIPE/INTERMITTENT

PACIFIC INSIGHT ELECTRONIC FLASHER



Color

CAB COLOR A: L2225EY CANDY APPLE RED ELITE EY

CAB INTERIOR PAINTED SAME AS CAB COLOR BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT

POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)

POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)

Certification / Compliance

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

Secondary Factory Options

DEALER HAS BEEN ADVISED OF AND ACCEPTED RESPONSIBILITY FOR MODIFICATIONS DUE TO POSSIBLE PTO/CHASSIS INTERFERENCE

Application Version 11.6.103 Data Version PRL-24T.013 BrookPark 4-09-21



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Weight Front Weight Rear

Description

Raw Performance Data

CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA): 93.14 in

CALC'D SPACE AVAILABLE FOR DECKPLATE:

89.69 in

VEHICLE SUMMARY TOTAL

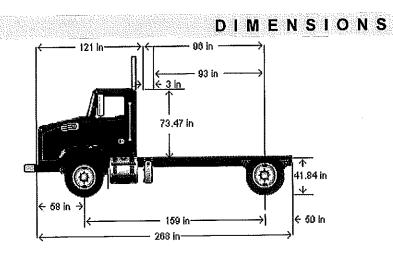
Factory Weight ⁺	Front	Rear	Weight
	8323 lbs	4177 lbs	12500 lbs
Total Weight ⁺	8323 lbs	4177 lbs	12500 lbs

(+) Weights shown are estimates only. If weight is critical, contact Customer Application Engineering.

(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



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VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

	4700SB
Model	TOOOD
Wheelbase (545)	4050MM (159 INCH) WHEELBASE
Rear Frame Overhang (552)	
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIETH WHEEL LOCATION
Mounting Location (5//)	
Maximum Forward Position (in)	······································
Maximum Forward Position (in)	0
• 6 Olida Tancal (in)	00
Slide Increment (in)	00
Since increment (iii)	0.0
Desired Slide Position (In)	ALA SIOU DOG OTERI CONVENTIONAL CAR
Desired Slide Position (in)	110 INCH BBC STEEL CONVENTIONAL CAB
Sleener (682)	NO GEEL EN BONGELET ENOND
Exhaust System (016) RH OUTBOARD UNDER STEP MOUNTED HO	RIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY
WITH BUILDING MOUNTED VERTICAL TAIL PIPE	· ···· ·
WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	

TABLE SUMMARY - DIMENSIONS



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0 mensions	Inches
Bumper to Back of Cab (BBC)	121.3
Bumper to Centerine of Front Axle (3A)	57.9
Min, Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	95.1
Effective Back of Cab to Centerline of Rear Axleis) (Effective CA)	93.1
Back of Cab Protrusions (Exhaus/Intake) (CP)	4.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	3.0
Hack of Cah Protrusions (CNG Tank)	3.0
Back of Cah Clearance (CL)	3.0
Back of Cab to End of Frame	143.3
Cab Height (CH)	73.5
Wheelbase (W3)	159.4
Frcmo Ovornang (OH)	60.2
Overall Frame Length	267.2
Overall Length (OAL)	267.6
Rear Axle Spacing	5.0
Unladen Frame Height at Centerline of Rear Axle	41.8

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



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FRAME RBM

TABLE SUMMARY - FRAME RBM

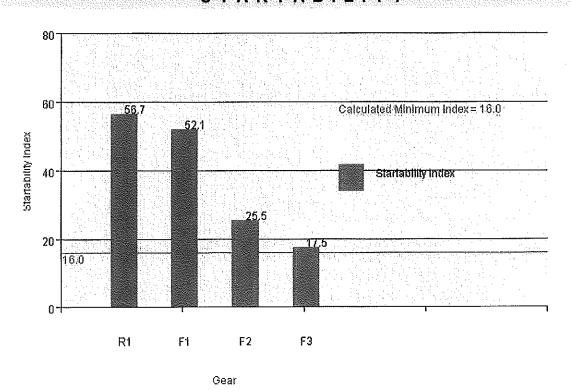
llen	Description / Value
Wheelbase	4050MM (159 INOI I) WI ICELDAGE
Frame	11/02X3-1/2X10-15/16 INCHOTEEL FRAME (6.70MMX277,0MM/0.344X10.94 INCH) 120K8H
Inner Frame Reinforcement	PARTIA_INNER FRAME REINFORCEMENT AT FRONT 3U3PENSION
Outer Frame Reminforcement	BODY COMPANY INSTALLED ADDITIONAL FRONT FRANCE REINFORCEMENT FOR SNOW P
Yield Strength (p.sl)	120000
Section Modulus - per rail (cu. in.)	15,98
Frame RBM - per fail (lbl-in)	203/600

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STARTABILITY



VEHICLE SPECIFICATIONS SUMMARY - STARTABILITY

Model	4700SB
Cab Size (829)	110 INCH BBC STEEL CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs)	
Expected Pusher Axle(s) Load (lbs)	
Expected Rear Axie(s) Load (ibs)	
Expected Tag Axle(s) Load (lbs)	
Expected GWW (lbs)	37700



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Expected GCW (lbs)	0.0
Engine (101)	CUM L9 330 HP @ 2200 RPM; 2200 GOV RPM, 1000 LB-FT @ 1200 RPM
	t)549
Transmission (342)	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
Gear Ratio; Forward 1	4.59
Gear Ratio: Forward 2	2.25
Gear Ratio: Forward 3	1.54
Gear Ratio: Reverse 1	.,5
Gear Ratio: Reverse 2	N/A
Gear Ratio: Reverse 3	N/A
Auxiliary Transmission (352)	NO AUXILIARY TRANSMISSION
Low Gear Ratio	N/A
High Gear Ratio	N/A
Transfer Case (373)	NO TRANSFER CASE
Low Gear Ratio	N/A
High Gear Ratio	NA
Rear Axle (420)	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
Number of Speeds	
Rear Axle Gear Ratio(s)	
Rear Tires (094)	CONTINENTAL HDC3 11R22.5 16 PLY RADIAL REAR TIRES
Revolutions per Mile	492
Vehicle Service (A85)	CONSTRUCTION SERVICE
Startability Factor	8
Terrain (AA5)	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
Startability Factor	
Most Severe Grade Expected (AB1)	MAXIMUM 8% EXPECTED GRADE
Startability Factor	8
Road Surface (AB5). SMOOTH CONCR SURFACE	ETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD
Startability Factor	
Suggested Torque Converter Stall Ratio	2.02

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

