G – S PRODUCTS MODEL MP8120DX- WLP

SPECIFICATIONS FOR 20 CUBIC YARD SIDE LOADER DUAL – SIDE LOADING. SEMI-AUTOMATED, FULL EJECT

SCOPE

This specification describes a truck mounted, hydraulic refuse packer. This machine must be equipped with loading mechanisms on both the curb and street sides of the material receiving hopper near the front of the body. Body must be designed so that optimum load distribution can be achieved when installed on a 33,000-38,000 G.V.W. truck cab and chassis. Body installation shall not require modification to a standard truck chassis forward of the rear suspension. (NO DROP FRAME)

I. BODY

A. CAPACITY

1. The body shall have a usable capacity of twenty (20) cubic yards including the tailgate.

B. DIMENSIONS

1. Body length – 233" – (including bustle tailgate).
2. Overall height above chassis – 102" – (bin in "down" position).
3. Overall height above chassis – 112" – (bin in full "up" position).
4. Overall body width with loading buckets down – 102"

C. CONSTRUCTION

1. The body floor shall be constructed of 1/4" HARDOX 450 steel plate.
2. The body floor shall have 6" x 10.5 lbs./ft. structural channel long – members.
3. Body sides shall be curved shell style, eleven (11) gauge HARDOX 450 single steel sheet with no seams.
4. Body roof shall be curved shell style, eleven (11) gauge HARDOX 450 single steel sheet with no seams.
5. All external welds shall be continuous.

II. TAILGATE

A. CAPACITY

1. The tailgate shall have a usable capacity of 6.30 cubic yards minimum.

B. CONSTRUCTION

1. Body tailgate shall be bustle type, top hinged, with heavy-duty hinges and tapered-pin plunger style locks. Tailgate pivots must be equipped with greaseless bearings. Lock pins must have grease fittings accessible from ground level near the outside of the body.

2. Tailgate shall be equipped with a flow control device to assure smooth, even operation.
3. Tailgate to be constructed from 12-gauge steel sheet and framed with formed steel channel.
4. Gate shall have a seal across the bottom and at least 17" up each side to control liquid leakage.

C. OPERATION

1. For greater operational stability and safety, the tailgate shall be raised and lowered with two 2 ½" bore x 28" stroke double acting hydraulic cylinders.
2. All tailgate controls shall be located inside the truck cab within easy reach of the operator's position. I.E. tailgate operation shall not require exit of the cab by the driver. Controls shall be electric/air/hydraulic and spring returned to the "neutral" position.
3. Tailgate to lock and release hydraulically through the use of positive acting, tapered rod, plunger style locks.
4. Tailgate ajar and lock status warning light and alarm to be installed in the truck cab.
5. Safety prop for tailgate to be included.
6. All exterior welds to be continuous.

III. PACKER HOPPER

A. FUNCTION

1. The receiving hopper shall have 4.8 cubic yards capacity minimum.
2. Hopper shall act as receiving chamber for materials dumped by the loading bins.
3. Hopper shall be configured so that both left and right-side loading bins can be dumped at the same time without contact or interference with each other.

B. CONSTRUCTION

1. Hopper floor to be constructed of 1/4" HARDOX 450 steel plate with 1/4" HARDOX 450 overlay.
2. Hopper side walls to be 1/4" HARDOX 450 steel plate.
3. Welds in hopper that are exposed to abrasive material must be "HARD-SURFACED" to protect them from wear.

IV. COMPACTOR

A. FUNCTION

1. Compactor is to move the material dumped by the loading bins from the receiving hopper into the body chamber. Also, compactor is to compress the loaded material to such an extent that the vehicle is loaded to its' recommended capacity.

B. OPERATION

1. Compactor to be powered by one (1), 6" bore x 84" stroke, single section, dual acting hydraulic cylinder.
2. Packer cycle shall be 40 seconds @ 1200 R.P.M.

3. When fully extended, compactor must penetrate the body by 18" minimum. This aids compaction of the material and reduces fallback into the loading hopper.
4. Compactor shall displace 2.6 cubic yards/cycle minimum.
5. Compactor shall have "on-demand" style controls with both "AUTOMATIC PACK" and "MANUAL PACK" selector console mounted in the truck cab and convenient from both sides of cab..
6. Compactor stroke shall be automatically reversible through the use of high quality automotive grade switches sensitive to both position and pressure.
7. Unit to be equipped with a "near-loaded" warning alarm to alert operator that body is approaching its' maximum capacity.

C. CONSTRUCTION

1. Compactor to be guided by a floor mounted "T" track beam.
2. Both the "T" track beam and compactor guide shoes must be made of HARDOX 450 steel plate.
3. The compactor shall be constructed of engineered steel sections and fully tested using state-of-the-art Finite Stress Analysis technology.

V. LOADING DEVICE

A. FUNCTION

1. The loading device must provide top loading of materials into the receiving hopper.
2. The loading height of the bin shall be approximately 40" (may vary with tire and frame options).
3. Each lifting mechanism must be operated by one (1), 4" bore x 16" stroke, hydraulic cylinder with 1 ½" fluid cushions in both the rod and base ends.
4. Lift cycle time shall be approximately 10 seconds at engine idle.
5. When in the full dump position, the bin dump angle must be 52 degrees minimum, measured from a horizontal line parallel to the ground.
6. The loading bins must tilt 5 degrees during the lift cycle to control spillage.
7. The loading bins must have "CHIP-GUARD" coating on the inside surface for easy clean-out during the dump cycle.
8. The body to bin gap, (space between the loading bin and body sides) must not exceed two (2) inches during the dump cycle. This prevents overhead spillage and reduces the need for clean-up.
9. Bins shall be track guided by roller bearing type steel rollers and stabilized by two lift arms, one at each end.
10. Loading bin lifting mechanism operation must be smooth and non-binding, regardless of uneven bin loading.

11. Loading bin lifting capacity must be 2500 LBS. minimum with a 2 to 1 design safety factor.
12. Loading bin volume shall be one and one half (1 1/2) cubic yard each.
13. Top opening of loading bins shall measure 72" x 22" minimum. Smaller openings are not acceptable.

B. CONSTRUCTION

1. Loading bin lifting arms must be constructed of solid, high tensile steel plate, minimum allowable section modules for loading bin lift arms shall be 3.0 cubic inches. Tubular load lifting components are not acceptable.
2. All loading bin lift arm connecting pins shall be 1.25" minimum diameter with spring steel bushings and grease fittings.
3. Loading bins shall be constructed of 12 gauge COR-TEN steel sheet supported by a tubular steel frame. Ends of bins shall be 10 gauge COR-TEN steel sheet.

C. CONTROLS

1. Controls for each loading mechanism shall be located immediately behind the chassis cab and convenient for operator access.
2. The lift control valve shall be a three (3) position air directional valve.

VI. BODY UNLOADING

A. FUNCTION

1. Body payload to be offloaded by hydraulically powered horizontal ejection.
2. Ejector panel to be operated by two (2), 3" bore x 80" stroke, single section, double acting hydraulic cylinders.
3. Ejector operation shall be sequenced so that panel will "extend" only when packer panel is in full "extend" position and tailgate is fully "up".
4. Controls to be mounted convenient to operator's in-cab driving location.

B. CONSTRUCTION

1. Ejector panel to have a structural steel tubular frame.
2. Panel guide tracks to be formed 3/16" steel plate.
3. Panel guide/cylinder enclosure tube shall be 5" x 7" x 3/16" structural steel tube equipped with HARDOX 450 steel wear strips.
4. Floor level wear pads must be HARDOX 450 steel plate.

VII. HYDRAULICS

A. PUMP

All body and lift functions shall be powered by a single-section gear type pump. This pump shall be powered by a transmission mounted "hot shift" power take off.

B. CONTROL VALVE

The body and lift functions shall be controlled by a single stack type air activated directional hydraulic valve. All controls for the body and lift shall be air/hydraulic. This directional control valve shall be equipped with a reliable system pressure protection device. The maximum system operating pressure shall be 2500 P.S.I.

C. HYDRAULIC RESERVOIR

The body shall be equipped with a hydraulic reservoir with a minimum capacity of thirty (30) gallons. This reservoir shall be equipped with a fill cap, breather, fluid level indicator and temperature gauge.

D. FILTRATION AND SERVICE

System cleanliness and protection against contamination shall be accomplished through the use of the following devices.

1. HIGH PRESSURE FILTER.
   All oil shall be routed through a 10-micron pressure line filter. This filter shall be installed between the hydraulic pump and the body control valve and properly sized so that 100% of the flow is filtered under normal operating conditions without bypass. Filter must be located so that all periodic service can be performed from ground level without the need for ladders or work-stands.
2. IN-LINE SHUTOFF.
   For ease of service the suction line shall be equipped with a shutoff valve plumbed adjacent to the reservoir.
3. SUCTION STRAINER.
   A 100-mesh oil strainer must be installed in the hydraulic system suction line. This strainer must be serviceable without draining the system reservoir.

E. PLUMBING

All body and lift plumbing not requiring flexibility to complete its function must be constructed of seamless steel hydraulic tubing correctly sized for each operation. Plumbing requiring hoses shall be routed in such a way as to prevent rubbing, chafing and undue bending.

VIII. IN-CAB CONTROLS

The following controls must be mounted inside the truck cab for safe and convenient operation.

1. Hydraulic system on/off switch.
2. Body tailgate control.
3. Body ejector control.
4. Work light and strobe light switches.

IX. LIGHTS

1. Standard lights shall be supplied in accordance with FMVSS#108.
2. All body lights must be TRUCKLITE Model "SUPER 44" L.E.D. with SERIES 50 wiring harness.
3. Both street side and curbside loading locations must have work lights.

X. ACCESSORIES

1. Federal under-ride bumper shall be installed.
2. Tailgate safety prop shall be provided.
3. Body "up" and tailgate "unlock" alarm shall be provided.
4. Back up alarm shall be provided.
5. Both body and hopper shall have access doors on each side for cleaning behind the packer and ejector panels. Doors must be sealed when closed.

XI. PAINTING PROCEDURES

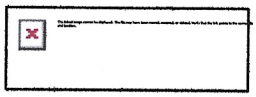
1. The body and lift shall be free of all weld slag, dirt and grease and be prepared prior to painting in accordance with the paint manufacturers specifications.
2. Body and loading mechanism shall receive at least one coat of primer and one finish coat of polyurethane enamel. Primer shall be approved for use with the finish coat material.

XII. WARRANTY

1. A minimum two-year warranty against manufacturing defects shall be provided by the manufacturer.

XIII. CART ATTACHMENT (optional)

1. Dumping attachment for 30-100 gallon containers.
   Semi-automated container attachments must be equipped with positive lock, automatic container latches. These latches must be linkage actuated by the lower bin lift arm and must require no action by the operator other than bin control lever operation. In order to prevent possible container damage, the container latches must automatically engage the container lower bar after the container is well clear of the ground or curb on the bin "up" cycle and automatically release well before the container reaches the ground or curb on the bin "down" cycle. Attachment of semi-automated carts to the container attachment shall not require tipping of the container or opening of the container lid for proper engagement.



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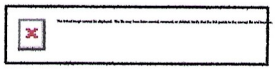
33 K

SPECIFICATION PROPOSAL

	Description	Weight Front	Weight Rear
Price Level			
	M2 PRL-27M (EFF:MY24 ORDERS)		
Data Version			
	SPECPRO21 DATA RELEASE VER 015		
Vehicle Configuration			
	M2 106 CONVENTIONAL CHASSIS	5,709	3,450
	2024 MODEL YEAR SPECIFIED		
	SET BACK AXLE - TRUCK		
	STRAIGHT TRUCK PROVISION		
	LH PRIMARY STEERING LOCATION		
General Service			
	TRUCK CONFIGURATION		
	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
	REFUSE SERVICE		
	SANITATION BUSINESS SEGMENT		
	DRY BULK 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		
	MEDIUM TRUCK WARRANTY		
	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs		
	EXPECTED REAR DRIVE AXLE(S) LOAD : 21000.0 lbs		
	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 33000.0 lbs		
Truck Service			
	RECYCLING BODY		



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	Description	Weight Front	Weight Rear
	GSP MARKETING		
	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine			
	CUM L9 300 HP @ 2200 RPM, 2200 GOV RPM, 860 LB-FT @ 1200 RPM, REFUSE	640	30
Electronic Parameters			
	70 MPH ROAD SPEED LIMIT		
	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
	PTO MODE ENGINE RPM LIMIT - 1100 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 - 900		
	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
Engine Equipment			
	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		
	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
	(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES	10	
	BATTERY BOX FRAME MOUNTED		
	STANDARD BATTERY JUMPERS		
	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		

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	Description	Weight Front	Weight Rear
	NON-POLISHED BATTERY BOX COVER		
	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
	AIR COMPRESSOR DISCHARGE LINE		
	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
	C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING DASH SWITCH	80	
	RH INBOARD FRAME MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH HORIZONTAL TAILPIPE	-50	-50
	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
	STANDARD EXHAUST SYSTEM LENGTH		
	RH STANDARD HORIZONTAL TAILPIPE		
	6 GALLON DIESEL EXHAUST FLUID TANK		
	100 PERCENT DIESEL EXHAUST FLUID FILL		
	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
	STANDARD DIESEL EXHAUST FLUID TANK CAP		
*	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		
	900 SQUARE INCH ALUMINUM RADIATOR	15	
	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		

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	Description	Weight Front	Weight Rear
	LOWER RADIATOR GUARD		
	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
	ALUMINUM FLYWHEEL HOUSING		
	ELECTRIC GRID AIR INTAKE WARMER		
	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		
Transmission			
	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
Transmission Equipment			
	ALLISON VOCATIONAL PACKAGE 170 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS AND EVS		
	ALLISON VOCATIONAL RATING FOR REFUSE 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		
	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
	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		
	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		

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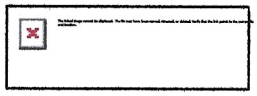
	Description	Weight Front	Weight Rear
	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED		
	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
	DIRECTION CHANGE ENABLED WITH MULTIPLEXED SERVICE BRAKES - ALLISON 5TH GEN TRANSMISSIONS		
	VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB		
	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
	CUSTOMER INSTALLED CHELSEA 280 SERIES PTO		
	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON		
	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			
	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE		
	MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
	NON-ASBESTOS FRONT BRAKE LINING		
	CAST IRON OUTBOARD FRONT BRAKE DRUMS		
	FRONT BRAKE DUST SHIELDS	5	
	FRONT OIL SEALS		
	CR STEEL VENTED FRONT HUB CAPS WITH WINDOW AND CENTER PLUG - OIL		
	STANDARD SPINDLE NUTS FOR ALL AXLES		
	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
	TRW THP-60 POWER STEERING		



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	Description	Weight Front	Weight Rear
	POWER STEERING PUMP		
	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		
Front Suspension			
	12,000# DUAL TAPERLEAF FRONT SUSPENSION	42	
	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
	FRONT SHOCK ABSORBERS		
Rear Axle and Equipment			
	RS-21-160 21,000# R-SERIES SINGLE REAR AXLE		180
	5.38 REAR AXLE RATIO		
	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	20	20
	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH		
	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
	NON-ASBESTOS REAR BRAKE LINING		
	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)		
	CONMET CAST IRON REAR BRAKE DRUMS		
	REAR BRAKE DUST SHIELDS		5
	REAR OIL SEALS		
	WABCO TRISTOP-D LONGSTROKE 30/36 1-DRIVE AXLE SPRING PARKING CHAMBERS		
	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
Rear Suspension			
*	REYCO 102CC 23,000# REAR SUSPENSION		110

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	Description	Weight Front	Weight Rear
	SPRING SUSPENSION - 2.25 INCH AXLE SPACER		10
	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
*	FORE/AFT CONTROL RODS		
Brake System			
	AIR BRAKE PACKAGE		
	WABCO 4S/4M ABS		
	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
	FIBER BRAID PARKING BRAKE HOSE		
	STANDARD BRAKE SYSTEM VALVES		
	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
	STD U.S. FRONT BRAKE VALVE		
	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
	BW AD-9 BRAKE LINE AIR DRYER WITH HEATER	20	
	AIR DRYER MOUNTED INBOARD ON LH RAIL		
	STEEL AIR TANKS MOUNTED AFT INSIDE AND/OR BELOW FRAME JUST FORWARD OF REAR SUSPENSION		
	BW DV-2 AUTO DRAIN VALVE WITH HEATER - WET TANK		
Trailer Connections			
	UPGRADED CHASSIS MULTIPLEXING UNIT		
	UPGRADED BULKHEAD MULTIPLEXING UNIT		
Wheelbase & Frame			
	5950MM (234 INCH) WHEELBASE		
	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	420	290
	1925MM (76 INCH) REAR FRAME OVERHANG		
	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-20	100
	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 168.7 in		
	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 165.7 in		
	CALC'D FRAME LENGTH - OVERALL : 349.03 in		
	CALCULATED FRAME SPACE LH SIDE : 133.14 in		

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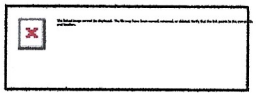
	Description	Weight Front	Weight Rear
	CALCULATED FRAME SPACE RH SIDE : 117.17 in		
	SQUARE END OF FRAME		
	FRONT CLOSING CROSSMEMBER		
	STANDARD WEIGHT ENGINE CROSSMEMBER		
	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
	STANDARD REARMOST CROSSMEMBER		
	STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment			
	THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS	30	
	FRONT TOW HOOKS - FRAME MOUNTED	15	
	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
	BETTS B-25 PAINTED MUDFLAP BRACKETS		15
	BLACK MUDFLAPS		15
	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
	CLEAR FRAME RAILS 48 INCHES FROM BACK OF CAB INSIDE/OUTBOARD AND BELOW BOTH FRAME RAILS		
Fuel Tanks			
	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20	
	RECTANGULAR FUEL TANK(S)		
	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
	FUEL TANK(S) FORWARD		
	30 GALLONS ADDITIONAL FUEL		
	PLAIN STEP FINISH		
	FUEL TANK CAP(S)		
	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5	
	EQUIFLO INBOARD FUEL SYSTEM		



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	Description	Weight Front	Weight Rear
	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			
	MICHELIN X WORKS Z 11R22.5 16 PLY RADIAL FRONT TIRES	42	
	MICHELIN X MULTI D 11R22.5 16 PLY RADIAL REAR TIRES		60
Hubs			
	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels			
	ACCURIDE 43644 ACCU-LITE 22.5X8.25 10-HUB PILOT 5.79 INSET ALUMINUM DISC FRONT WHEELS	-64	
	ACCURIDE 43644 ACCU-LITE 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-128
	FRONT WHEEL MOUNTING NUTS		
	REAR WHEEL MOUNTING NUTS		
Cab Exterior			
	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
	AIR CAB MOUNTING		
	LH AND RH GRAB HANDLES		
	PAINTED PLASTIC GRILLE		
	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE		
	FIBERGLASS HOOD		
	SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED	4	
	SINGLE ELECTRIC HORN		
	SINGLE HORN SHIELD		
	REAR LICENSE PLATE MOUNT END OF FRAME		
	INTEGRAL HEADLIGHT/MARKER ASSEMBLY		
	(5) AMBER MARKER LIGHTS		
	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
	STANDARD FRONT TURN SIGNAL LAMPS		
	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		

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	Description	Weight Front	Weight Rear
	DOOR MOUNTED MIRRORS		
	102 INCH EQUIPMENT WIDTH		
	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
	RH AND LH 8 INCH STAINLESS STEEL FENDER MOUNTED CONVEX MIRRORS WITH TRIPOD BRACKETS	8	
	STANDARD SIDE/REAR REFLECTORS		
	63X14 INCH TINTED REAR WINDOW		
	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
	MANUAL DOOR WINDOW REGULATORS		
	1-PIECE SOLAR GREEN GLASS WINDSHELD		
	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		
Cab Interior			
	OPAL GRAY CLOTH INTERIOR		
	MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
	MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
	BLACK MATS WITH SINGLE INSULATION		
	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
	IN DASH STORAGE BIN		
	(2) CUP HOLDERS LH AND RH DASH		
	GRAY/CHARCOAL FLAT DASH		
	SMART SWITCH EXPANSION MODULE		
	5 LB. FIRE EXTINGUISHER	10	
	HEATER, DEFROSTER AND AIR CONDITIONER		
	STANDARD HVAC DUCTING		
	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES		
	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		

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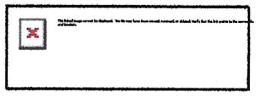
Description	Weight Front	Weight Rear
BINARY CONTROL, R-134A		
STANDARD INSULATION		
SOLID-STATE CIRCUIT PROTECTION AND FUSES		
12V NEGATIVE GROUND ELECTRICAL SYSTEM		
DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
KEY QUANTITY OF 2		
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
(1) 12 VOLT POWER SUPPLY IN DASH		
TRIANGULAR REFLECTORS WITHOUT FLARES	10	
BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WTIH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION PASSENGER SEAT WTIH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	25	10
LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
VINYL WITH VINYL INSERT DRIVER SEAT		
VINYL WITH VINYL INSERT PASSENGER SEAT		
HIGH VISIBILITY ORANGE SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
4-SPOKE 18 INCH (450MM) STEERING WHEEL		
DRIVER AND PASSENGER INTERIOR SUN VISORS		
Instruments & Controls		
GRAY DRIVER INSTRUMENT PANEL		
GRAY CENTER INSTRUMENT PANEL		
ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
BLACK GAUGE BEZELS		
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		



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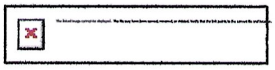
Description	Weight Front	Weight Rear
INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL		
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
2 INCH ELECTRIC FUEL GAUGE		
ENGINE REMOTE INTERFACE WITH INCREMENT/DECREMENT		
ENGINE REMOTE INTERFACE CONNECTOR AT BACK OF CAB		
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT		
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
NO DR ASSIST SYSTEM		
ELECTRIC ENGINE OIL PRESSURE GAUGE		
OVERHEAD INSTRUMENT PANEL		
AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
DASH MOUNTED RADIO		
(2) RADIO SPEAKERS IN CAB		
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF		
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
STANDARD VEHICLE SPEED SENSOR		
ELECTRONIC 3000 RPM TACHOMETER		
IDLE LIMITER, ELECTRONIC ENGINE		
(2) OVERHEAD MOUNTED LANYARD CONTROLS: (1) OFFICER AIR HORN AND (1) DRIVER AIR HORN		



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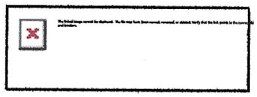
	Description	Weight Front	Weight Rear
	WORK BRAKE WITH RETURN TO GEAR, AUTO NEUTRAL, FOR DRIVE AXLE SERVICE BRAKES		
	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
	ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		
Design			
	PAINT: ONE SOLID COLOR		
Color			
	CAB COLOR A: L0006EY WHITE ELITE EY		
	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX		
	STANDARD E COAT/UNDERCOATING		
Certification / Compliance			
	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
Secondary Factory Options			
	SHIP TO FONTAINE (MOUNT HOLLY, NC) PRIOR TO DELIVERY		
Sales Programs			
*	CUSTOM PROGRAM CODE		

TOTAL VEHICLE SUMMARY

Weight Summary



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	Weight Front	Weight Rear	Total Weight
Factory Weight[+]	7242 lbs	4197 lbs	11439 lbs
Total Weight[+]	7242 lbs	4197 lbs	11439 lbs

Extended Warranty

TOWING: TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED
TOWING COVERAGE $750 CAP FEX APPLIES

(+) 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.