

PROPOSAL SUMMARY:

Prepared for:

City of Fort Pierce, FL

Public Works Department



Labrie Automizer Right Hand



**ENVIRONMENTAL
PRODUCTS GROUP**

The Automizer Right-Hand side Loader

End User: Fort Pierce, FL (SWD)

7-22-25

Labrie Side Loaders

Environmental Products would like to thank you for the opportunity to present the **Labrie Automizer Right-Hand Side Loader**.

Environmental Products Group is the sole provider of Labrie Equipment in the state of Florida, as well as many other leading industry product lines including: Vactor sewer Cleaners, Elgin Street Sweepers, TRUVAC Hydro Excavation Equipment, Envirosight Pipeline Inspection Cameras, Petersen Grapple Loaders, PB Asphalt Pothole Patchers, Madvac Sweepers and Vacuums, and a host of parts, tools and accessories for all your needs.

Environmental Products Group prides itself on our local parts, service, and training capabilities. With multiple full-service locations throughout Florida, Georgia, Tennessee. Including Vactor, Elgin, TRUVAC, and Envirosight repair centers, Extensive parts inventory, factory-trained technicians, mobile parts and service, rentals, turnkey maintenance packages, leasing options, and much more... we are ready to service your every need.

EP Rents is a division of Environmental Products Group, EP Rents specializes in rental trucks when you need them. With a large inventory of Vactor Sewer Cleaners and Trailer Jetters, Elgin Sweeper, Envirosight Pipeline Inspection Cameras, Petersen Grapple Loaders. Call us for any of your rental needs.

Thank you for your consideration.

Product Description

- The Automizer™ Right-Hand side loader features a strong, light-weight body with a reliable loading arm that can reach farther than any other automated side loader.

Parked cars and other obstacles are no longer an obstacle with an arm that can reach 12-feet and lift up to 1,000 pounds fully extended.

Thanks to carefully engineered hydraulics, this arm maneuvers both smoothly and with exacting precision.

Standard Features

- Crusher Panel
- Heavy Duty Arm & Grabber "32 to 95 gal."
- Spill shield: installed behind grabber (Not compatible with AGRA0140)
- Auxiliary arm controls in-cab: RH-side- (Mini-joystick style)
- Grabber counting device: counts number of carts dumped
- Automatic pump shut off at 50 km/h- 32 mph

Lighting Features

- Back up lights: Qty 2 additional on tailgate position 2/3 - 4" LED type
- Back up lights: Qty 2 additional on mid-body rub rails – LED type
- LH-side hopper (1)
- Light: amber-alternating-strobe 4" LED in front-of-body – Qty 2
- Light: amber strobe 6" Whelen L10 in center of tailgate: in-cab switch - Qty
- Multifunction Lights Package: Multifunction round amber lights (4). Oval center brake light-red- in upper tailgate (1). Round brake lights- red- in upper tailgate light bar (2)
- RH-side rail (4)
- Work light kit: dual- in-cab single manual switch - LED type

Body Options

- Clean out tools (broom- hoe & shovel kit including brackets; installed at front-of-body)
- Fire Extinguisher- 20 lbs (standard position: body curbside unless specified otherwise by regulation)
- Body floor liner at front-of-body: Hardox 450 steel 48" long
- Body Side Wall liners: Hardox 450
- Environmental spill kit installed on body
- Paint: Body White
- CAUTION THIS VEHICLE STOPS AND BACKS FREQUENTLY



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Camera Options

- Hopper LH-side (4)
- RH-side rail (6)
- Tailgate center 2/3 (1)
- Triple Zone Defense cameras (no shutter): (Only model available with DVR monitor). Monitor must be selected separately. Heater. No Shutter
- Zone Defense 7" color LCD monitor: Included in system base price. Split screen. Touch screen

Chassis Options:

- 2026 Mack LR Dual Drive
- 355 HP MP7
- Allision 4500 Series
- FEPTO
- Local Dealer PDI, Training, & Delivery

Unit Sales Price: \$395,000 per unit

Total Sales Price = \$395,000 x 2 units = \$790,000.00

Sourcewell Contract # 091219- LEG



Price does not include F.E.T. or FL Sales Tax

Please don't hesitate to call with questions, or if you need any additional information. Thank you for your interest and the opportunity to earn your business.

Signature: _____

Date: _____

TECHNICAL SPECIFICATION

LR 64R

April 9th 2025

SPECS APPROVED - TC



AURH 27+4
FRONT PUMP

MODEL DEFINING			DESCRIPTION
S	PB100K	PRICE BOOK LEVEL	2026A Pricebook

APPLICATION PACKAGES		DESCRIPTION
MPK1TK	CHASSIS CONFIGURATION PACKAGE	LH Battery Box, 6.6 Gallon (25L) LH DEF, Single LH Fuel Tank, Vertical BOC DPF/SCR

CUSTOMER/VEHICLE INFO			DESCRIPTION
S	0029V2	CHASSIS (BASE MODEL)	LR 64R DAYCAB
S	MP2001	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND
S	013001	TYPE OF SERVICE	COMMERCIAL
	694DDD	Order Subject to Meeting All Mack Policies, Terms and Conditions,	Including but not Limited to Applicable CARB and/or Section 177 States' Regulation requirements
	M84009	INTENDED REGISTRATION LOCATION	FLORIDA
S	M98018	WARRANTY REGISTRATION LOCATION	USA - WARRANTY REGISTRATION LOCATION
	MBT01T	EMISSION WARRANTY CERTIFICATION	EPA (only) for Mack MP7 / MP8 Diesel
S	5050B5	INITIAL REGISTRATION LOCATION	USA REGISTRATION
S	APPAA3	VEHICLE APPLICATION CLASS	CLASS B HIGHWAY-INNER CITY
	0050T5	VEHICLE USE & BODY/TRAILER TYPE	REFUSE AUTOMATIC SIDE LOADER TRUCK
S	032A39	OPERATING TERRAIN GRADE CONDITIONS	12% STARTING GRADE
S	033A10	LOADING SURFACE FACTOR	CONCRETE LOADING AND / OR UNLOADING SURFACE
	0342A4	VEHICLE VOCATION	REFUSE / LANDFILL OPERATION

ENGINE/TRANSMISSIONS			DESCRIPTION
S	1004Q0	ENGINE / MOTOR	MP7-355C MACK 355HP @ 1600-1800 RPM (PEAK) 2100 RPM (GOV) 1250 LB-FT, US'21
S	136206	TRANSMISSION	4500 RDS 6 SPEED ALLISON GEN 6 W/PROGNOSTICS, WITH PTO PROVISION

EXHAUST/EMISSIONS			DESCRIPTION
S	Z8FT1X	NOX LIMITS	CARB LEGACY / EPA (200MG/HP/HR), 50 State Idle Compliance
	DF1021	DIESEL EXHAUST FLUID TANK	6.6 GALLON (25 L) 22" LEFT SIDE FRAME MOUNTED
S	130AC7	EXHAUST	SINGLE VERTICAL RIGHT SIDE OUTBOARD MOUNTED STRAIGHT EXH STACK PLAIN END, SIDE OUTLET DIFFUSER
S	Q0AA1X	EXHAUST - BRIGHT FINISH	W/O VERT EXH-BRIGHT FINISH
	78AAAX	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2025

ENGINE EQUIPMENT			DESCRIPTION
S	1250C5	AIR CLEANER	13" SINGLE ELEMENT, DRY TYPE W/SNORKEL BEHIND CAB, AIR RESTRICTION INDICATOR ON FILTER
S	113093	AIR COMPRESSOR/DRYER	WABCO 1800P AIR DRYER W/O TURBO CUT OFF VALVE, W/ WABCO 636 (37.4 CFM) AIR COMPRESSOR
S	KOXA1X	AIR DRYER - RELOCATION (CA)	AIR DRYER POSITION STANDARD
	132AB8	ALTERNATOR	DELCO 12V 165A (36SI) BRUSHLESS W/ REMOTE VOLTAGE SENSING
S	316AA5	BATTERIES	(3) MACK 12V 760/2280 CCA THREADED STUD TYPE
S	393AD9	BATTERY BOX - MOUNTING (x)	PERPENDICULAR TO FRAME 11" FROM NTOF (3 BATTERY MAX)
S	L5XA1X	BATTERY BOX COVER	MOLDED PLASTIC
S	318AA3	BATTERY DISCONNECT SWITCH	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE
S	NCXA5X	STARTER MOTOR	12 VOLT DELCO 39MT-MXT

TECHNICAL SPECIFICATION *(cont.)*



ENGINE EQUIPMENT		DESCRIPTION	
	110AA5	ENGINE BRAKE	MACK MP7 POWERLEASH
S	118AB8	FAN DRIVE	BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE
S	119AI9	COOLANT PROTECTION	ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER
S	508018	COOLING PERFORMANCE	W/O AUXILIARY COOLING
S	124AA2	HOSES - RADIATOR/HEATER	SILICONE RADIATOR AND HEATER HOSES
S	293043	FUEL-WATER SEPARATOR	MACK W/MANUAL DRAIN VALVE V2 (INTEGRAL W/ PRIMARY FUEL FILTER)
S	QHXC1X	OIL SUMP	OIL PAN
S	MCA04A	ENGINE HEATERS	120v 1500w BLOCK HEATER ONLY
S	4TBA1X	ENGINE BLOCK HEATER RECEPTACLE (CA)	ENGINE BLOCK HEATER RECEPTACLE, BASIC LOCATION
	MAH01I	PLUG QUANTITY & TYPE	SINGLE (1) 120V-15A PLUG
S	36AB1X	TETHER DEV PKG, CAPS & COVERS	PLASTIC COATED CABLE, MOUNTED FRONT OF EACH BATTERY BOX LENGTH TO ALLOW COVER TO SET ON GROUND

CLUTCH/TRANS EQUIPMENT		DESCRIPTION	
S	195AA7	DRIVELINE - MAIN	MERITOR RPL25HD W/PERMALUBE U-JOINTS (PROPS-L)
S	204AA4	DRIVELINE - INTERAXLE	MERITOR RPL20 W/PERMALUBE
S	76AA1X	DRIVESHAFT MAIN U-JOINT	UNIVERSAL JOINT HALF-ROUND TYPE (where applicable)
S	8WAAAX	DRIVESHAFT INTERAXLE U-JOINT	HALF-ROUND UNIVERSAL JOINT
S	7RXAEX	LUBRICANTS, TRANSMISSION	TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS
S	139008	TRANSMISSION OIL COOLER	ALLISON 4xxx SERIES TRANSMISSION W/DIRECT MOUNT COOLER & SS COOLANT TUBES

FRONT AXLE EQUIPMENT		DESCRIPTION	
S	240AA3	FRONT AXLE	20000# (9100 KG) MACK FXL20 STRAIGHT SPINDLE/UNITIZED BEARINGS
	244AC3	SPRINGS - FRONT	MACK MULTILEAF 20000# (9100 KG) GROUND LOAD RATING, EQUAL BIAS
S	241081	BRAKES - FRONT	MERITOR "S" CAM TYPE 16.5" x 6" Q+
S	U0AA1X	SLACK ADJUSTERS - FRONT	HALDEX - AUTOMATIC
	V7AD1X	BRAKE CHAMBERS - FRONT	FRONT BRAKE CHAMBER MANUFACTURER, MGM
S	0KXA1X	HUBS - FRONT	FERROUS
S	1KAA1X	SHOCK ABSORBERS - FRONT	DOUBLE ACTING TYPE
	245AA6	STEERING	M100P PLUS RIGHT SIDE ASSIST CYLINDER
S	2SAA1X	STATIC LOAD CUSHIONS	STATIC LOAD CUSHIONS

REAR AXLE EQUIPMENT		DESCRIPTION	
S	268AA9	REAR AXLE	46000# (20900kg) MACK S462R CAST DUCTILE IRON HOUSING
S	6MAA1X	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE
S	617002	DRIVE AXLE LUBRICANT	DRIVE AXLE LUBE, SHELL 80W90 MINERAL OIL
S	01800R	CARRIER - REAR AXLE	150/151 SERIES (Tandem Mack Rear Axles up to 150,000lb GCW)
S	3LAC1X	POWER DIVIDER LOCKOUT	INTERAXLE POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT
	TAXHLX	REAR AXLE RATIO	4.50 RATIO
	1860K6	REAR SUSPENSION	SS46 MACK CAMELBACK MULTILEAF 46,000 lb, HEAVY DUTY
S	GWXABX	BOGIE SPREAD, REAR	50" AXLE SPACING (BOGIE WHEELBASE)
S	XYXB1X	TRANSVERSE TORQUE RODS	TRANSVERSE TORQUE ROD (REAR AXLE ONLY)
S	253AA4	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+ (Total for QTY = 2)
S	U4XC9X	BRAKE DRUMS - REAR	BRAKE, DRIVE REAR, DRUM LIGHT WEIGHT TRUTURN
S	U1AA1X	SLACK ADJUSTERS - REAR	HALDEX - AUTOMATIC

TECHNICAL SPECIFICATION *(cont.)*



REAR AXLE EQUIPMENT		DESCRIPTION
V1AB1X	SPRING BRAKE CHAMBERS - SIZE	REAR SPRING BRAKE CHAMBERS 30/30 TYPE
N5FAJX	BRAKE ORI REAR-MOST DRIVE AXLE	DRUM BRAKE CHAMBER ORIENTATION: High Mount - Rear of Axle - Chamber Down
300AB8	SPRING BRAKE CHAMBERS - VENDOR	MGM TR3030LP3THD BRAKE CHAMBERS (Total for QTY = 2)
S	3GAA1X BRAKE CHAMBER DIAPHRAGM MATERIAL (CA in PC28 only)	W/O BRAKE DIAPHRAGM OPTION
S	0LXI5X HUBS - REAR	IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT
698058	ANTILOCK BRAKE SYSTEM	BENDIX WITHOUT TRACTION CONTROL 4S4M

FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION
CA 271221	WHEELBASE	221"
CA 374111	AF (OVERHANG)	111"
MCE0LE	FRAME RAILS & LINERS	9.5 x 82 x 340mm - (0.375" x 3.25" x 13.38")W/ Full Liner; RBM 3,122,400 LB-IN
S	281A1 CROSSMEMBERS	STEEL 1/2" PL BOLTED BOC & INTERMDT 1/8" BELOW TOP OF RAIL
9DEC1X	AUX CROSSM. IN REAR OVERH TYPE	BACK TO BACK BOLTED TYPE CROSSMEMBERS
S	Q5AA1X REAR CROSSMEMBER OPTIONS	STEEL CLOSING REAR CROSSMEMBER
S	4DXA6X BUMPER - FRONT	FLUSH-PAINTED STEEL
S	5EXF1X SKID PLATE	SKID PLATE UNDER BUMPER AND RADIATOR
S	4EXD1X TOWING DEVICE, FRONT	CENTER TOW CAPABILITY BASED ON BUMPER SELECTION
2RAA1X	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK
288AH2	FUEL TANK - LH	80 GALLON (300 L) ALUMINUM, 26"x24" RECTANGULAR
290AA1	FUEL TANK - RH	W/O RH FUEL TANK
JHXB1X	FUEL SYSTEM - DUAL	BRAIDED HOSE
HBXANX	FUEL TANK POSITION (CA in PC28 only)	LOCATE BEHIND LH RAIL- 5" BELOW TOP OF RAIL
852022	FUEL FILLER NECK OPTIONS	FOR LH FUEL TANK
KHXB1X	FUEL TANK STRAPS MTRL	STAINLESS STEEL FUEL TANK STRAPS

AIR/BRAKE		DESCRIPTION
UWXABX	AIR TANK DRAIN VALVE	MANUAL DRAIN VALVES, ALL TANKS, IN MAINFOLD W/LABEL
S	U2XB1X AIR TANK MATERIAL & FINISH	STEEL AIR TANK PAINTED CHASSIS COLOR
CA MCXCKX	RELOCATE AIR RESERVOIRS	CPC40, SUPPLY TANK UNDER RH RAIL, REMAINING IN FRAME
S	1JAAAX PARKING BRAKE VALVE	SINGLE VALVE SYSTEM

ELECTRICAL		DESCRIPTION
S	5RXA8X BACK-UP ALARM	PRECO, MODEL 1059
S	312006 IDENTIFICATION/CLEARANCE LIGHTS	TRUCKLIGHT TYPE ROOF MARKER for LR
S	LJXB1X HEADLAMP BULB TYPE	HEADLAMP BULB TYPE, LED
5KAAAX	HEADLAMP PROTECTION	HEADLAMP PROTECTION
S	LSXH2X DAYTIME RUNNING LIGHTS	ENGINE RUNNING ACTIVATED
NEXC1X	TAIL LAMPS	INCANDESCENT TAIL LAMPS
S	M4XAAX AUX. POWER OUTLET, INTERIOR (CA in PC28 only)	COMPUTER AND 2-WAY RADIO DEDICATED CIRCUIT
S	3BCB1X MARKER/DIR SIGNAL	FRONT AND SIDE DIRECTION IND & MARKER, LED TYPE

TRAILER CONNECTIONS		DESCRIPTION
4BAB1X	EXT. INDICATOR LMP, MAIN SWITCH (CA in PC28 only)	WIRED THRU OUTER MARKER LIGHTS

TECHNICAL SPECIFICATION *(cont.)*



PTO		DESCRIPTION	
S	826086	HYDRAULIC PUMP	FURNISH PUMP MTG PROVISIONS - INCLUDE WIRING, SWITCHES, AND INDICATORS AS REQUIRED
S	183AA2	FRONT ENGINE PTO	1350 SERIES FLANGE (DOES NOT INCLUDE FRONT FRAME EXTENSION)
S	L3XN1X	BODY BUILDER MODULE	ControlLink III BODY BUILDER EL PREP KIT, REFUSE, RP170 ELECT. INTERFACE (3 CON 54 PINS)

SPECIALTY EQUIPMENT		DESCRIPTION	
S	MCVZ1X	PASSIVE SAFETY SYSTEM	WITHOUT PASSIVE SAFETY SYSTEM
S	8FXU1X	FRAME MODIFICATION	UNIFORM LOAD NO ADAPTATION

CAB INTERIOR (A THRU G)		DESCRIPTION	
S	173063	AIR CONDITIONING/HEATER	(LR) MANUAL CONTROL CLIMATE UNIT
S	1PAZ1X	SURVEILLANCE CAMERA OPTIONS (CA)	WITHOUT CAMERA
S	31XABX	FLOOR MAT INSERTS	FLOOR MAT, RUBBER
S	E0AABX	GAUGE TRANSM. OIL TEMP	TRANSMISSION GAUGE AND TRANS. OIL HIGH TEMPERATURE LIGHT
S	198048	SPEEDOMETER -&- GAUGES - UNIT(s) OF MEASURE	U.S. UNITS (PREDOMINANT)

CAB INTERIOR (H THRU R)		DESCRIPTION	
S	20XA1X	KEY TYPES FOR DOORS	BASIC UNIQUE KEY
S	1740D4	AUDIO ACCOMMODATION	PREMIUM STEREO, AM/FM, MP3, WEATHER BAND, BLUETOOTH
S	73AD1X	RADIO - ANTENNA	RADIO ANTENNA, CH STYLE COWL MOUNTED ON LH SIDE
S	0LAA1X	AUDIO SHUTOFF	AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE
S	1WAA1X	RADIO - BINDING POSTS FOR CB	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) MOUNTED ON TOP OF DASH

CAB INTERIOR (S THRU Z)		DESCRIPTION	
S	196096	SEAT - DRIVER	AIR-SEARS MID-BACK SEAT C-2 W/FABRIFORM CUSHIONS
	4850F0	SEAT COVERING	FABRIFORM CLOTH, BLACK, DRIVER SEATS
	5920D2	SEAT BELT(S)	LAP & SHOULDER BELTS FOR (2) DRIVER SEATS, TO BE ORANGE IN COLOR
S	2WXAAX	STEERING WHEEL	DIAMETER 450MM STEERING WHEEL, RUBBER GRIP V1
	XRXB1X	STEERING COLUMN	STEERING COLUMN, ADJUSTABLE TILT TELESCOPE
S	NPXB1X	TURN SIGNALS	SELF CANCELLING TURN SIGNALS
S	JQXAAX	WASHER RESERVOIR OPTIONS	W/O WINDSHIELD WASHER RESERVOIR OPTION

CAB EXTERIOR		DESCRIPTION	
S	28XD1X	FRONT GRILLE	LR BLACK GRILLE WITH BLACK SURROUND
S	T2AA1X	WINDSHIELD PROTECTOR	FURNISH WINDSHIELD PROTECTOR
	14400R	CAB	RH & LH SIT DOWN DRIVING POSITION, EXTENDED CAB VERSION
	424007	CAB DOOR OPTIONS	LH & RH FRONT HINGED DOORS W/POWER WINDOWS BOTH SIDES
	2LCA1X	CAB CORNER PROTECTION, FRONT	CAB CORNER PROTECTION, FRONT
S	2EXA1X	CAB TILT PUMP	LOCATED IN STD LOCATION
S	Q2AA1X	CAB ACCESS STEPS	Cab Low Entry Step
S	MCD01D	PASSENGER SIDE VISIBILITY OPTIONS	WITHOUT AUXILIARY WINDOW IN RH DOOR WITHOUT SIDE CLOSE VIEW MIRROR
	154AC5	HORN - AIR	(1) TWIN-UNDER CAB TRUMPET W/RH ROOF MOUNTED LANYARD
S	LXXD1X	HORN - ELECTRICAL	DUAL TONE
S	MCL0FL	MIRRORS - LEFT SIDE EXTERIOR	LH BLACK AERO MIRROR ELECTRICAL OPERATED & HEATED, W/ HEATED SQUARE BLACK CLOSE VIEW

TECHNICAL SPECIFICATION *(cont.)*



CAB EXTERIOR			DESCRIPTION
S	MCR0CR	MIRRORS - RIGHT SIDE EXTERIOR	RH BLACK AERO MIRROR ELECTRICAL OPERATED & HEATED, W/ HEATED SQUARE BLACK CLOSE VIEW

WHEELS & TIRES			DESCRIPTION
	9004X0	TIRES BRAND/TYPE - FRONT	425/65R22.5 L BRIDGESTONE M870 (22800 lbs) (Total for QTY = 2)
	5312W1	WHEELS - FRONT	22.5x12.25 ALCOA 82462x HIGH POLISHED ALUMINUM, 5.81" OFFSET, 10 HAND HOLE (Total for QTY = 2)
S	FWT002	TIRE & WHEEL QUANTITY - FRONT	TWO FRONT TIRES & WHEELS
	9013E1	TIRES BRAND/TYPE - REAR	11R22.5 G BRIDGESTONE M726 ELA (23360 lbs) (DRIVE ONLY) (Total for QTY = 8)
	3462Y6	WHEELS - REAR	22.5x8.25 ACCURIDE ACCU-LITE 43644x EXTRA POLISHED ALUMINUM, 6.59" OFFSET, 10 HAND HOLE (Total for QTY = 8)
S	RWT008	TIRE & WHEEL QUANTITY - REAR	EIGHT REAR AXLE TIRES & WHEELS
S	H1EB1X	DRIVE WHEEL STUDS	DRIVE WHEEL STUDS LONGER LENGTH
S	15XABX	VALVE STEMS & CAPS	STANDARD VALVE STEMS AND CAPS

COMMUNICATION SYSTEMS			DESCRIPTION
S	Y7CA1X	DIAGNOSTICS DISPLAY IN CLUSTER	DIAGNOSTICS DISPLAY IN CLUSTER, BASIC
S	M30060	TELEMATIC GATEWAY	TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES
	2JCA1X	REMOTE DIAGNOSTIC SERVICES	REMOTE DIAGNOSTIC SERVICES, ENABLED

ENGINE ELECTRONICS			DESCRIPTION
S	WOXA1X	SHUTDOWN-ENG.OIL PRESSURE	OIL PRESSURE, ENGINE SHUTDOWN
S	WMXA1X	SHUTDOWN-ENG.COOLANT TEMP	COOLANT TEMP, ENGINE SHUTDOWN
S	K5XA2X	ENG /OIL TEMP SHUTDOWN	ENGINE PROTECTION (SHUTDOWN)
S	K7XY1X	LOW IDLE ENGINE RPM	IDLE CONTROL, 600 RPM
S	X0AB0X	IDLE RPM UP W/LOW VOLTAGE	INCREASE 10 MINUTE MAXIMUM TIME
S	M3CA1X	IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED
S	B1ACAX	IDLE S/D WARNING TIME	30 SEC IDLE S/D WARNING TIME
S	A8AALX	IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY
S	A4AAEX	IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY
S	A6AABX	IDLE S/D IF PTO ACTIVE	ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE
S	B0AAAX	IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT
S	D2AADX	AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN TRESHOLD, 10 DEG C, (50 DEG F)
S	D3AAEX	AMBIENT TEMP MAX TRESHOLD	AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)
S	B3ABAX	EHT, MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)
S	B6ACEX	EHT, MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM
S	B4ADAX	EHT, MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM
S	B9AABX	EHT, SPEED RAMP RATE	ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC

TRANSMISSION ELECTRONICS			DESCRIPTION
S	3IAZ1X	HILL START ASSIST	WITHOUT HILL START ASSIST
	7790Y9	TRANSMISSION ELECTRONICS PACKAGE	GENERAL REFUSE SERVICE (183)
	B1EB1X	TRANSM AUTO NEUTRAL ON P-BRAKE	ALLISON PARK BRAKE AUTO NEUTRAL-REQUIRES PARK BRAKE TO BE DISENGAGED PRIOR TO SELECTING A GEAR TO DR
	MAV0AV	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	FUELSENSE, FULL NEUTRAL AT STOP

TECHNICAL SPECIFICATION *(cont.)*



VEHICLE ELECTRONICS			DESCRIPTION
S	JCXE6X	ROAD SPEED LIMIT (RSL)	105 KM/H ROAD SPEED LIMITER (65MPH)
S	Y3CC5X	PEDAL SPEED LIMITER	105 KM/H PEDAL ROAD SPEED LIMITER (65MPH)
S	JDXA1X	CRUISE CONTROL	CRUISE CONTROL
S	JFXLLX	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)
S	E3AACX	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)
S	E5AACX	ENG BRAKE ENGAGE IN CRUISE	ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED
S	L2CA1X	PDLO ENGAGED VLS	POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 8KMH (5MPH)
	Q6FZ1X	DIFF LOCK SPEED LIMIT	WITHOUT DIFFERENTIAL LOCK ROAD SPEED LIMIT
S	A4BAAX	SPEED SENSOR TAMPERING DETECTION	DETECTION OF SPEED SENSOR TAMPERING, ENABLE
S	8RXAEX	PWR.LIMIT LVL.-MPH SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED
S	G5AAHX	DATAMAX ENGINE OVERSPEED-COMPANY	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM
S	G2AAGX	DATAMAX ENGINE OVERSPEED-FUEL	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM
S	G4AAUX	DATAMAX VEHICLE OVERSPEED-ALL	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)
S	G3AAPX	DATAMAX VEHICLE OVERSPEED-FUEL	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)
S	G1AABX	DATAMAX IDLE LOG DELAY	ENGINE IDLE DELAY TO START LOG, 2 MIN
S	W9A01X	PERIODIC TRIP LOG DAY OF MONTH	PERIODIC TRIP LOG, DAY 1 OF THE MONTH
S	X5AB1X	VEHICLE APP SERVICE INTERVALS	SERVICE INTERVALS, VOCATIONAL APPLICATION
S	W8BAAX	DATAMAX MAINT MONITOR	WITH SERVICE ALERT
S	W5A90X	MAINTENANCE DUE ALERT %	ACTIVATE ALERT AT 90% OF THE TIME/DISTANCE SETTING

PTO ELECTRONICS			DESCRIPTION
S	F3AAEX	PTO1 SINGLE SPEED CONTROL RPM.	PTO 1ST, SINGLE SPEED SETTING, 1000 RPM
S	F5AABX	PTO 1ST, MAX ROAD SPEED	1ST PTO, MAX ROAD SPEED, 10 MPH (16 KPH)
S	F6AABX	PTO 1ST, SPEED RAMP RATE	PTO 1ST, SPEED RAMP RATE 100 RPM/SEC
S	F7AAPX	PTO 1ST, MAX ENGINE SPEED	PTO 1ST, MAX ENGINE SPEED, 2100 RPM
S	F8AAGX	PTO 1ST, ROAD SPEED LIMIT	PTO 1ST, ROAD SPEED LIMIT, 97 KMH (60 MPH)
S	F9AABX	PTO 1ST, MINIMUM ENGINE SPEED	PTO 1ST, MINIMUM ENGINE SPEED, 600 RPM
S	L8CB1X	PTO1 DECEL BUMP-DOWN RPM	PTO1 DECEL "BUMP-DOWN" 50RPM
S	H6AAEX	PTO 2ND, SINGLE SPEED SETTING	PTO 2ND, SINGLE SPEED SETTING, 1000 RPM
S	H0AABX	PTO 2ND, MAX ROAD SPEED	2ND PTO, MAX ROAD SPEED, 10 MPH (16 KPH)
S	G9AABX	PTO 2ND, SPEED RAMP RATE	PTO 2ND, SPEED RAMP RATE 100 RPM/SEC
S	H7AANX	PTO 2ND, MAX ENGINE SPEED	PTO 2ND, MAX ENGINE SPEED, 2100 RPM
S	H5AAGX	PTO 2ND, ROAD SPEED LIMIT	PTO 2ND, ROAD SPEED LIMIT, 97 KMH (60 MPH)
S	G8AABX	PTO 2ND, MINIMUM ENGINE SPEED	PTO 2ND, MINIMUM ENGINE SPEED, 600 RPM

PAINT			DESCRIPTION
S	950AA4	PAINT DESIGN	SINGLE COLOR
S	924014	PAINT TYPE	SOLID PAINT
S	944AA7	PAINT COLOR - FIRST COLOR	MACK WHITE; P9188
S	945998	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR
S	946998	PAINT COLOR - THIRD COLOR	NO THIRD TRUCK COLOR PROVIDED; NO COLOR
S	MPB944	CAB COLOR	SAME AS FIRST COLOR - CAB
S	996AA3	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT
	922001	CHASSIS RUNNING GEAR PROCESS CODE	CHASSIS PAINT PROCESS, STANDARD COLOR (MACK BLACK) 6ABZ1X

TECHNICAL SPECIFICATION *(cont.)*



PAINT		DESCRIPTION	
S	95103K	CHASSIS RUNNING GEAR	MACK BLACK (60 GLOSS); 250-12370
S	958018	BUMPER	PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR
S	959019	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY***	W/O OPTIONAL FUEL TANK PAINT
S	962032	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR
S	963033	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR

CALCULATED CODES - KAX		DESCRIPTION	
S	9JXA1X	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED
S	9VXA1X	REAR END CALCULATION	REAR END CALCULATION SYSTEM (PROPCALC+)

BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION	
S	898003	VEHICLE WARRANTY TYPE	HEAVY DUTY WARRANTY CLASSIFICATION
S	M50030	BASIC CHASSIS COVERAGE	HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000 KM)
	M8301T	EMISSION - SURCHARGE	EPA (only) for Mack MP7 / MP8 Diesel
S	M51021	ENGINE WARRANTY	MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES (402,000KM)
S	M52022	EMISSION COMPONENT COVERAGE	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 60 MONTHS/100,000 MILES (161,000 KM)
S	M540B4	TRANSMISSION WARRANTY	ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data)
S	M550G7	CARRIER & AXLE HOUSING WARRANTY	STANDARD MACK HEAVY DUTY COVERAGE 60 MONTHS / 500,000 (804,672 KM)
S	M56026	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE
S	M57027	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES
S	M58028	ENGINE TOWING WARRANTY	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM)
S	M82998	MACK ULTRA SERVICE	NO SERVICE CONTRACT INCLUDED

CONNECTED SERVICES		DESCRIPTION	
S	S03011	MACK INTEGRATED UPTIME	MACK INTEGRATED UPTIME - 24 MONTHS
	S04011	MACK CONNECT LOCATION & REPORTING	MACK CONNECT LOCATION & REPORTING - 24 MONTHS
S	S05010	FLEET INTEGRATION	WITHOUT FLEET INTEGRATION
S	S06400	PARTNERED SERVICES	NO PARTNERED SERVICES PROVIDED

ADDITIONAL ENGINEERING (Included)		DESCRIPTION	
	CA 25M05149		

MACK®



Mack Trucks
www.macktrucks.com

PROPOSAL SUMMARY

Prepared for:
City of Ft. Pierce, FL



End user: Ft. Pierce, FL (SWD)

7-22-25

Wittke Front Loaders

Environmental Products would like to thank you for the opportunity to present the **Wittke the Superduty Front Loader**.

Environmental Products Group is the sole provider of Labrie Equipment in the state of Florida, as well as many other leading industry product lines including: Vactor sewer Cleaners, Elgin Street Sweepers, TRUVAC Hydro Excavation Equipment, EnviroSight Pipeline Inspection Cameras, Petersen Grapple Loaders, PB Asphalt Pothole Patchers, Madvac Sweepers and Vacuums, and a host of parts, tools and accessories for all your needs.

Environmental Products Group prides itself on our local parts, service, and training capabilities. With multiple full-service locations throughout Florida, Georgia, Tennessee. Including Vactor, Elgin, TRUVAC, and EnviroSight repair centers, Extensive parts inventory, factory-trained technicians, mobile parts and service, rentals, turnkey maintenance packages, leasing options, and much more... we are ready to service your every need.

EP Rents is a division of Environmental Products Group, EP Rents specializes in rental trucks when you need them. With a large inventory of Vactor Sewer Cleaners and Trailer Jetters, Elgin Sweeper, EnviroSight Pipeline Inspection Cameras, Petersen Grapple Loaders. Call us for any of your rental needs.

Thank you for your consideration.

Product Description

- **The Wittke Superduty** is as rugged as they get. The Wittke™ Superduty is the toughest of all front loaders; engineered to require nominal maintenance and providing the lowest total cost of ownership.

Standard Features

- Canopy Sweeper
- Arm Lifting Capacity: 10,000 lbs.
- 40 Yard Capacity
- Body valve located on body street side wall
- Packer Cylinders: Telescopic - Double Acting - Nitrided with Durascopetm shavers

Control Options

- Drive Position Main Control Pneumatic Joystick- 2 handles- arm & fork actuation

Additional Features

- Dual Safety Vision cameras (with shutter)
 - Hopper LH-side (4)
 - Safety Vision 7" color LCD monitor:
 - Split screen
 - Tailgate center 2/3 (1)



- Anti-sail bars on rear mudflaps
- Centralized Grease Block - Cylinders Pins on Body Front Wall Body Side Door Access: 2 points
- Centralized Grease Block - Cylinders Pins on Packer Body Side Door Access: 2 points
- Chromium Overlay Wear Strips - Packer Shoes - Channels
- Tailgate Hinges Ground Level Grease Points
- Paint Body 1 Color Urethane Body Paint Included in unit base price. Includes bolt-on parts painted body color
- CAUTION THIS VEHICLE STOPS AND BACKS FREQUENTLY- 74.5in x 23.5in (black on yellow
- Background)

Chassis:

- Mack TE LW Drive
- Mack MP7 375 HP
- Allison 4000 Series Transmission



Total Unit Sales Price = \$375,000.00

Total Sales Price = \$375,000 x 2 units = \$750,000.00

Sourcewell Contract # 091219- LEG

Sales Tax and F.E.T. not included in sales price.

Please don't hesitate to call with questions, or if you need any additional information. Thank you for your interest and the opportunity to earn your business.

Signature: _____

Date: _____

TECHNICAL SPECIFICATION

TERRAPRO 64R

Chassis Already Ordered

April 15th 2025

SPECS APPROVED - TC

FLXX 34+6
TRANS. PTO



				WEIGHT (LB)	
MODEL DEFINING			DESCRIPTION	FRONT	REAR
S	PB100K	PRICE BOOK LEVEL	2026A Pricebook	0	0

				WEIGHT (LB)	
APPLICATION PACKAGES			DESCRIPTION	FRONT	REAR
	MPK02K	CHASSIS CONFIGURATION PACKAGE	BODY BUILDER PREP PACKAGE (REQUIRES MBP SELECTION)	0	0
	MBP00P	BODY BUILDER PACKAGE	HEIL HALF/PACK FRONT LOADER	0	0

				WEIGHT (LB)	
CUSTOMER/VEHICLE INFO			DESCRIPTION	FRONT	REAR
S	002A02	CHASSIS (BASE MODEL)	TERRAPRO 64R DAYCAB	4,253	2,765
S	MP2001	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND	0	0
S	013001	TYPE OF SERVICE	COMMERCIAL	0	0
	694DDD	Order Subject to Meeting All Mack Policies, Terms and Conditions,	Including but not Limited to Applicable CARB and/or Section 177 States' Regulation requirements	0	0
	M84001	INTENDED REGISTRATION LOCATION	ALABAMA	0	0
S	M98018	WARRANTY REGISTRATION LOCATION	USA - WARRANTY REGISTRATION LOCATION	0	0
	MBT01T	EMISSION WARRANTY CERTIFICATION	EPA (only) for Mack MP7 / MP8 Diesel	0	0
S	5050B5	INITIAL REGISTRATION LOCATION	USA REGISTRATION	0	0
S	534014	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH	0	0
S	APPAA3	VEHICLE APPLICATION CLASS	CLASS B HIGHWAY-INNER CITY	0	0
	0050S5	VEHICLE USE & BODY/TRAILER TYPE	REFUSE FRONT LOADER TRUCK	0	0
S	032A39	OPERATING TERRAIN GRADE CONDITIONS	12% STARTING GRADE	0	0
	033A60	LOADING SURFACE FACTOR	LANDFILL LOADING AND / OR UNLOADING SURFACE	0	0
	0342A4	VEHICLE VOCATION	REFUSE / LANDFILL OPERATION	0	0

				WEIGHT (LB)	
ENGINE/TRANSMISSIONS			DESCRIPTION	FRONT	REAR
	1004R0	ENGINE / MOTOR	MP7-375C MACK 375HP @ 1450-1900 RPM (PEAK) 2100 RPM (GOV) 1350 LB-FT, US'21	2,633	139
S	136206	TRANSMISSION	4500 RDS 6 SPEED ALLISON GEN 6 W/PROGNOSTICS, WITH PTO PROVISION	732	245

				WEIGHT (LB)	
EXHAUST/EMISSIONS			DESCRIPTION	FRONT	REAR
S	Z8FT1X	NOX LIMITS	CARB LEGACY / EPA (200MG/HP/HR), 50 State Idle Compliance	0	0
S	DPFAA3	DPF DIESEL PARTICULATE FILTER	CLEARTECH VV DPF VERTICAL LH SIDE BACK OF CAB W/SCR VERT RH SIDE BOC	0	0
S	DF1041	DIESEL EXHAUST FLUID TANK	6.6 GALLON (25 L) 22" RIGHT SIDE FRAME MOUNTED	157	31
S	130AC7	EXHAUST	SINGLE VERTICAL RIGHT SIDE OUTBOARD MOUNTED STRAIGHT EXH STACK PLAIN END, SIDE OUTLET DIFFUSER	0	0
S	Q0AA1X	EXHAUST - BRIGHT FINISH	W/O VERT EXH-BRIGHT FINISH	0	0
S	W4BC1X	REGENERAT CONTROL SWITCH, DPF (CA in PC28 only)	NO INHIBIT DPF REGENERATION SWITCH	0	0
	78AAAX	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2025	0	0

TECHNICAL SPECIFICATION (cont.)



			WEIGHT (LB)	
ENGINE EQUIPMENT		DESCRIPTION	FRONT	REAR
	1250B5	AIR CLEANER	0	0
S	H8XZ1X	BUG SCREEN	-8	3
S	113093	AIR COMPRESSOR/DRYER	0	0
CA	KOXB6X	AIR DRYER - RELOCATION (CA)	0	0
	13200K	ALTERNATOR	0	0
	316AA7	BATTERIES	16	7
S	393AD9	BATTERY BOX - MOUNTING (x)	0	0
S	L5XA1X	BATTERY BOX COVER	0	0
	318AA3	BATTERY DISCONNECT SWITCH	3	0
S	NCXA5X	STARTER MOTOR	31	0
	110AA5	ENGINE BRAKE	36	5
S	118AB8	FAN DRIVE	0	0
S	119AI9	COOLANT PROTECTION	0	0
S	508018	COOLING PERFORMANCE	0	0
	124003	HOSES - RADIATOR/HEATER	3	0
S	293043	FUEL-WATER SEPARATOR	0	0
S	QHXC1X	OIL SUMP	0	0
S	MCA04A	ENGINE HEATERS	0	0
	5NXA1X	ENGINE BLOCK HEATER	5	0
S	4TBA1X	ENGINE BLOCK HEATER RECEPTACLE (CA)	0	0
	MAH011	PLUG QUANTITY & TYPE	0	0

			WEIGHT (LB)	
CLUTCH/TRANS EQUIPMENT		DESCRIPTION	FRONT	REAR
S	MCB05B	CLUTCH ACTUATION SYSTEM & PEDAL PAD	0	0
S	195AA7	DRIVELINE - MAIN	20	20
	204014	DRIVELINE - INTERAXLE	0	0
S	76AA1X	DRIVESHAFT MAIN U-JOINT	0	0
S	8WAAAX	DRIVESHAFT INTERAXLE U-JOINT	0	0
S	31BABX	FLYWHEEL HOUSING MATERIAL	51	0
S	7RXAEX	LUBRICANTS, TRANSMISSION	0	0
S	139008	TRANSMISSION OIL COOLER	0	0
CA	8QFA1X	BRAKE PRESSURE CTRL VALVES LOC	0	0

			WEIGHT (LB)	
FRONT AXLE EQUIPMENT		DESCRIPTION	FRONT	REAR
	2400P0	FRONT AXLE	325	0
S	244AB4	SPRINGS - FRONT	-119	0
	2410L1	BRAKES - FRONT	25	0
	U0AF1X	SLACK ADJUSTERS - FRONT	0	0

TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)	
FRONT AXLE EQUIPMENT		DESCRIPTION		FRONT	REAR
	V7AF1X	BRAKE CHAMBERS - FRONT	FRONT BRAKE CHAMBER MANUFACTURER, WABCO	0	0
	0KXL1X	HUBS - FRONT	IRON CONMET PRESET-PLUS W/PREMIUM SEAL	172	0
S	1KAA1X	SHOCK ABSORBERS - FRONT	DOUBLE ACTING TYPE	20	0
S	245AB3	STEERING	SHEPPARD XD120 STEERING GEAR (RATIO 23:1)	181	0
S	K9AZ1X	POWER STEERING, COOLER	WITHOUT POWER STEERING, COOLER	0	0

				WEIGHT (LB)	
REAR AXLE EQUIPMENT		DESCRIPTION		FRONT	REAR
S	268AA9	REAR AXLE	46000# (20900kg) MACK S462R CAST DUCTILE IRON HOUSING	0	1,614
S	6MAA1X	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE	0	0
S	617002	DRIVE AXLE LUBRICANT	DRIVE AXLE LUBE, SHELL 80W90 MINERAL OIL	0	0
S	01800R	CARRIER - REAR AXLE	150/151 SERIES (Tandem Mack Rear Axles up to 150,000lb GCW)	0	0
	254013	TRACTION DIFFERENTIAL	INTERWHEEL DIFFERENTIAL LOCK, ALL REAR AXLES	0	0
S	3LAC1X	POWER DIVIDER LOCKOUT	INTERAXLE POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT	0	40
	TAXAEX	REAR AXLE RATIO	4.80 RATIO	0	0
	186186	REAR SUSPENSION	HMX EX 460 HENDRICKSON 46,000 lb, LOW RIDE HEIGHT	0	1,176
	402AA1	SPRINGS - ANTI-SWAY	W/O ANTI-SWAY	0	-103
	GWXDGX	BOGIE SPREAD, REAR	54" AXLE SPACING (BOGIE WHEELBASE)	0	38
	YVXA1X	SHOCK ABSORBERS - REAR	REAR SHOCK ABSORBER	0	27
	XYXA1X	TRANSVERSE TORQUE RODS	TRANSVERSE TORQUE ROD - ALL AXLES	0	133
	253AB3	BRAKES - REAR	MERITOR EX+ AIR DISC BRAKES, 430MM (17") - H TYPE (Total for QTY = 2)	0	-61
	U4XD2X	BRAKE DRUMS - REAR	BRAKE, DRIVE REAR, DISC W/ VENTILATED ROTOR	0	0
	U1AG1X	SLACK ADJUSTERS - REAR	AUTOMATIC SLACK ADJUSTERS FOR REAR AIR DISC BRAKES	0	0
	V1AE3X	SPRING BRAKE CHAMBERS - SIZE	REAR SPRING BRAKE CHAMBERS 24/24 TYPE	0	0
	N5FBJX	BRAKE ORI REAR-MOST DRIVE AXLE	DISC BRAKE CHAMBER ORIENTATION: Middle Mount - Rear of Axle - Chamber Inward	0	0
	300AF0	SPRING BRAKE CHAMBERS - VENDOR	WABCO BRAKE CHAMBERS VENDOR (Total for QTY = 2)	0	0
S	3GAA1X	BRAKE CHAMBER DIAPHRAGM MATERIAL (CA in PC28 only)	W/O BRAKE DIAPHRAGM OPTION	0	0
S	0LXI5X	HUBS - REAR	IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT	0	318
	9GAABX	ABS SENSOR/CHANNEL OPTION	6S/6M SYSTEM SENSING BOTH REAR AXLES W/WHEEL END SENSORS	5	0
S	6980C8	ANTILOCK BRAKE SYSTEM	MACK ROAD STABILITY ADV.BENDIX ABS/ATC/RSA W/YAW CNTRLW/MUD/SNOW SW; REQ-TRUCK APPL 6S6M	0	0

				WEIGHT (LB)	
FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION		FRONT	REAR
	271210	WHEELBASE	210"	89	89
CA	374108	AF (OVERHANG)	108"	-92	433
	MCE0LE	FRAME RAILS & LINERS	9.5 x 82 x 340mm - (0.375" x 3.25" x 13.38")W/ Full Liner; RBM 3,122,400 LB-IN	122	144
S	A0XJ5X	FRONT FRAME LENGTH	FRONT FRAME LENGTH 1187MM	148	-19
CA	2811H1	CROSSMEMBERS	CROSSMEMBER CONFIGURATION FOR HEIL FRONT LOADER BODY, PER DWG 23593343	0	0
S	9DEB1X	AUX CROSSM. IN REAR OVERH TYPE	SINGLE CHANNEL WELDED AUXILIARY CROSSMEMBER TYPE	-11	45
S	Q5AA1X	REAR CROSSMEMBER OPTIONS	STEEL CLOSING REAR CROSSMEMBER	-11	60
S	4DXM8X	BUMPER - FRONT	EXTENDED-SWEPT BACK-STEEL (INCL. CENTER TOW PIN) N/A W/ FRONT FRAME EXT.	0	0

TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)	
FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION		FRONT	REAR
	5EXF1X	SKID PLATE	SKID PLATE UNDER BUMPER AND RADIATOR	128	-8
S	2RAA2X	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON R.H TANK	0	0
	290A14	FUEL TANK - RH	80 GALLON (300 L) ALUMINUM, 26"x24" RECTANGULAR	69	69
S	JHXB1X	FUEL SYSTEM - DUAL	BRAIDED HOSE	0	0
	CA HBXJ7X	FUEL TANK POSITION (CA in PC28 only)	FUEL TANK POSITION 36	0	0
S	852072	FUEL FILLER NECK OPTIONS	FOR RH FUEL TANK	0	0
S	KHXA1X	FUEL TANK STRAPS MTRL	PAINTED FUEL TANK STRAPS	0	0

				WEIGHT (LB)	
AIR/BRAKE		DESCRIPTION		FRONT	REAR
	UWXB1X	AIR TANK DRAIN VALVE	MANUAL DRAIN VALVES, WITH LANYARDS ON ALL TANKS	-2	0
	U2XA1X	AIR TANK MATERIAL & FINISH	ALUMINUM AIR TANK PAINTED CHASSIS COLOR	-46	0
S	1JAAAX	PARKING BRAKE VALVE	SINGLE VALVE SYSTEM	0	0

				WEIGHT (LB)	
ELECTRICAL		DESCRIPTION		FRONT	REAR
S	312022	IDENTIFICATION/CLEARANCE LIGHTS	TRUCKLITE ROOF MARKER FOR TERRAPRO	0	0
S	LJXB1X	HEADLAMP BULB TYPE	HEADLAMP BULB TYPE, LED	0	0
	LSXF1X	DAYTIME RUNNING LIGHTS	WITHOUT DAYTIME RUNNING LIGHTS	0	0
S	NEXC1X	TAIL LAMPS	INCANDESCENT TAIL LAMPS	0	5
S	M4XAAX	AUX. POWER OUTLET, INTERIOR (CA in PC28 only)	COMPUTER AND 2-WAY RADIO DEDICATED CIRCUIT	0	0
S	3BCB1X	MARKER/DIR SIGNAL	FRONT AND SIDE DIRECTION IND & MARKER, LED TYPE	3	0

				WEIGHT (LB)	
PTO		DESCRIPTION		FRONT	REAR
S	189AJ9	TRANSMISSION MOUNTED PTO	PREP KIT FOR EXTENDED SHAFT PTO	0	0
S	L3XN1X	BODY BUILDER MODULE	ControlLink III BODY BUILDER EL PREP KIT, REFUSE, RP170 ELECT. INTERFACE (3 CON 54 PINS)	0	0

				WEIGHT (LB)	
SPECIALTY EQUIPMENT		DESCRIPTION		FRONT	REAR
S	MCVZ1X	PASSIVE SAFETY SYSTEM	WITHOUT PASSIVE SAFETY SYSTEM	0	0
S	8FXU1X	FRAME MODIFICATION	UNIFORM LOAD NO ADAPTATION	0	0

				WEIGHT (LB)	
CAB INTERIOR (A THRU G)		DESCRIPTION		FRONT	REAR
S	1730B3	AIR CONDITIONING/HEATER	(TE) MANUAL CONTROL CLIMATE UNIT	0	0
S	1PAZ1X	SURVEILLANCE CAMERA OPTIONS (CA)	WITHOUT CAMERA	0	0
	786036	FIRE EXTINGUISHER	5LB.FIRE EXT.(ABC RATED) MTD HORIZ ON DASH CONSOLE AT REAR OF CAB W/NOZZ TOWARD DRIVER	14	0
S	E0AABX	GAUGE TRANSM. OIL TEMP	TRANSMISSION GAUGE AND TRANS. OIL HIGH TEMPERATURE LIGHT	0	0
S	198048	SPEEDOMETER -&- GAUGES - UNIT(S) OF MEASURE	U.S. UNITS (PREDOMINANT)	0	0

TECHNICAL SPECIFICATION (cont.)



			WEIGHT (LB)	
CAB INTERIOR (A THRU G)		DESCRIPTION	FRONT	REAR
A5BAAX	NUMBER OF AUXILIARY GAUGES, 1	NUMBER OF AUXILIARY GAUGES, 1	0	0

			WEIGHT (LB)	
CAB INTERIOR (H THRU R)		DESCRIPTION	FRONT	REAR
S	6WXA1X	BODY BUILDER CONSOLE CONSOLE INCLUDED WITH CONTROL LINK III	0	0
S	20XA1X	KEY TYPES FOR DOORS BASIC UNIQUE KEY	0	0
S	E3XG1X	FORWARD OVERHEAD STORAGE FORWARD OVERHEAD STORAGE, RADIO SHELF, COVER, BLANK, BLANK	0	0
S	1740D4	AUDIO ACCOMMODATION PREMIUM STEREO, AM/FM, MP3, WEATHER BAND, BLUETOOTH	0	0
S	73AD1X	RADIO - ANTENNA RADIO ANTENNA, CH STYLE COWL MOUNTED ON LH SIDE	0	0
S	0LAA1X	AUDIO SHUTOFF AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE	0	0
S	1WAE1X	RADIO - BINDING POSTS FOR CB FURNISH IN OVERHEAD CONSOLE	0	0

			WEIGHT (LB)	
CAB INTERIOR (S THRU Z)		DESCRIPTION	FRONT	REAR
	196076	SEAT - DRIVER BOSTROM TALLADEGA 905 (HI-BACK) AIR SUSPENSION	16	0
	1970E7	SEAT - PASSENGER'S MACK FIXED (HI-BACK) NON-SUSPENSION	3	0
	4850K5	SEAT COVERING CLOTH & VINYL, CAB INTERIOR DEPENDENT COLOR, DRIVER & RIDER SEATS	0	0
	5920E2	SEAT BELT(S) LAP & SHOULDER (BOTH SEATS) ORANGE IN COLOR	0	0
S	2WXAAX	STEERING WHEEL DIAMETER 450MM STEERING WHEEL, RUBBER GRIP V1	0	0
	87AB1X	WINDSHIELD WIND DEFLECTOR (CA) BRIGHT FINISH WINDSHIELD CORNER	0	0

			WEIGHT (LB)	
CAB EXTERIOR		DESCRIPTION	FRONT	REAR
	28XF2X	FRONT GRILLE BLACK GRILLE WITH SILVER SURROUND	0	0
S	T2AA1X	WINDSHIELD PROTECTOR FURNISH WINDSHIELD PROTECTOR	16	0
S	144AA2	CAB CA531 LOW-PROFILE COE (WELDED STEEL GALVANIZED SHELL) INCLUDES MACK RUST PREVENTATIVE PROCEDURES	0	0
	424014	CAB DOOR OPTIONS DOORS, COMPOSITE, LH SIDE ROLL UP WINDOW	5	0
S	2EXA1X	CAB TILT PUMP LOCATED IN STD LOCATION	0	0
S	Q2AA1X	CAB ACCESS STEPS Cab Low Entry Step	0	0
S	MCD01D	PASSENGER SIDE VISIBILITY OPTIONS WITHOUT AUXILIARY WINDOW IN RH DOOR WITHOUT SIDE CLOSE VIEW MIRROR	0	0
S	0JAA1X	GRAB HANDLES STANDARD GRAB HANDLE OPTION RH & LH, BEHIND DOOR	0	0
S	154AA6	HORN - AIR (1) BLACK TWIN TRUMPET, UNDER CAB MOUNTED	5	0
S	LXXD1X	HORN - ELECTRICAL DUAL TONE	5	0
	MCL0CL	MIRRORS - LEFT SIDE EXTERIOR LH SS FLAT ELECTRICAL OPERATED & HEATED, W/ UN-HEATED 8" SS CLOSE VIEW	5	0
	MCR09R	MIRRORS - RIGHT SIDE EXTERIOR RH SS FLAT ELECTRICAL OPERATED & HEATED, W/ UN-HEATED 8" SS CLOSE VIEW	0	0

			WEIGHT (LB)	
WHEELS & TIRES		DESCRIPTION	FRONT	REAR
	900AW4	TIRES BRAND/TYRE - FRONT 425/65R22.5 L MICHELIN XZY3 (22800 lbs) (Total for QTY = 2)	415	0
	5313U1	WHEELS - FRONT 22.5x12.25 ACCURIDE 29374x POLISHED ALUMINUM, 5.88" OFFSET, 10 HAND HOLE (Total for QTY = 2)	133	0

TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)	
WHEELS & TIRES		DESCRIPTION		FRONT	REAR
S	FWT002	TIRE & WHEEL QUANTITY - FRONT	TWO FRONT TIRES & WHEELS	0	0
	901AJ6	TIRES BRAND/TYPE - REAR	11R22.5 H BRIDGESTONE M799 (24020 lbs) (DRIVE ONLY) (Total for QTY = 8)	0	988
	346Z26	WHEELS - REAR	22.5x8.25 ACCURIDE ACCU-LITE 43644x EXTRA POLISHED OUTBOARD, POLISHED INBOARD, 6.59" OFFSET, 10 HH (Total for QTY = 8)	0	318
S	RWT008	TIRE & WHEEL QUANTITY - REAR	EIGHT REAR AXLE TIRES & WHEELS	0	0
S	H1EB1X	DRIVE WHEEL STUDS	DRIVE WHEEL STUDS LONGER LENGTH	0	0
S	15XABX	VALVE STEMS & CAPS	STANDARD VALVE STEMS AND CAPS	0	0

				WEIGHT (LB)	
COMMUNICATION SYSTEMS		DESCRIPTION		FRONT	REAR
S	M30060	TELEMATIC GATEWAY	TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES	0	0
	2JCA1X	REMOTE DIAGNOSTIC SERVICES	REMOTE DIAGNOSTIC SERVICES, ENABLED	0	0

				WEIGHT (LB)	
ENGINE ELECTRONICS		DESCRIPTION		FRONT	REAR
S	WOXA1X	SHUTDOWN-ENG.OIL PRESSURE	OIL PRESSURE, ENGINE SHUTDOWN	0	0
S	WMXA1X	SHUTDOWN-ENG.COOLANT TEMP	COOLANT TEMP, ENGINE SHUTDOWN	0	0
S	K5XA2X	ENG /OIL TEMP SHUTDOWN	ENGINE PROTECTION (SHUTDOWN)	0	0
S	K7XY1X	LOW IDLE ENGINE RPM	IDLE CONTROL, 600 RPM	0	0
S	X0AB0X	IDLE RPM UP W/LOW VOLTAGE	INCREASE 10 MINUTE MAXIMUM TIME	0	0
S	M3CA1X	IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED	0	0
S	B1ACAX	IDLE S/D WARNING TIME	30 SEC IDLE S/D WARNING TIME	0	0
S	A8AALX	IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY	0	0
S	A4AAEX	IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY	0	0
S	A6AABX	IDLE S/D IF PTO ACTIVE	ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE	0	0
S	B0AAAX	IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT	0	0
S	D2AADX	AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN TRESHOLD, 10 DEG C, (50 DEG F)	0	0
S	D3AAEX	AMBIENT TEMP MAX TRESHOLD	AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)	0	0
S	B3ABAX	EHT, MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)	0	0
S	B6ACEX	EHT, MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM	0	0
S	B4ADAX	EHT, MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM	0	0
S	B9AABX	EHT, SPEED RAMP RATE	ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC	0	0

				WEIGHT (LB)	
TRANSMISSION ELECTRONICS		DESCRIPTION		FRONT	REAR
S	M05015	TRANSMISSION DRIVE MODE PACKAGES, mDRIVE	W/O TRANSMISSION SHIFT SETTINGS	0	0
S	3IAZ1X	HILL START ASSIST	WITHOUT HILL START ASSIST	0	0
S	6SAZ1X	TRANSMISSION KICK-DOWN MODE	WITHOUT TRANSMISSION KICK-DOWN MODE	0	0
	7790Y9	TRANSMISSION ELECTRONICS PACKAGE	GENERAL REFUSE SERVICE (183)	0	0
	B1EC1X	TRANSM AUTO NEUTRAL ON P-BRAKE	ALLISON PARK BRAKE AUTO NEUTRAL-ALLOWS THE DRIVER TO ENGAGE GEAR PRIOR TO DISENGAGING THE PARK BRAKE	0	0
	MAV0AV	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	FUELSENSE, FULL NEUTRAL AT STOP	0	0

TECHNICAL SPECIFICATION *(cont.)*



				WEIGHT (LB)	
VEHICLE ELECTRONICS		DESCRIPTION		FRONT	REAR
S	JCXE6X	ROAD SPEED LIMIT (RSL)	105 KM/H ROAD SPEED LIMITER (65MPH)	0	0
S	Y3CC5X	PEDAL SPEED LIMITER	105 KM/H PEDAL ROAD SPEED LIMITER (65MPH)	0	0
S	JDXA1X	CRUISE CONTROL	CRUISE CONTROL	0	0
S	JFXLLX	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)	0	0
S	E3AACX	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)	0	0
S	E5AACX	ENG BRAKE ENGAGE IN CRUISE	ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED	0	0
	L2CB1X	PDLO ENGAGED VLS	POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 24KMH (15MPH)	0	0
	Q6FAHX	DIFF LOCK SPEED LIMIT	DIFFERENTIAL LOCK ROAD SPEED LIMIT 24KMH (15MPH)	0	0
S	A4BAAX	SPEED SENSOR TAMPERING DETECTION	DETECTION OF SPEED SENSOR TAMPERING, ENABLE	0	0
S	8RXAEX	PWR.LIMIT LVL.-MPH SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED	0	0
S	G5AAHX	DATAMAX ENGINE OVERSPEED-COMPANY	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM	0	0
S	G2AAGX	DATAMAX ENGINE OVERSPEED-FUEL	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM	0	0
S	G4AAUX	DATAMAX VEHICLE OVERSPEED-ALL	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)	0	0
S	G3AAPX	DATAMAX VEHICLE OVERSPEED-FUEL	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)	0	0
S	G1AABX	DATAMAX IDLE LOG DELAY	ENGINE IDLE DELAY TO START LOG, 2 MIN	0	0
S	W9A01X	PERIODIC TRIP LOG DAY OF MONTH	PERIODIC TRIP LOG, DAY 1 OF THE MONTH	0	0
S	X5AB1X	VEHICLE APP SERVICE INTERVALS	SERVICE INTERVALS, VOCATIONAL APPLICATION	0	0
S	W8BAAX	DATAMAX MAINT MONITOR	WITH SERVICE ALERT	0	0
S	W5A90X	MAINTENANCE DUE ALERT %	ACTIVATE ALERT AT 90% OF THE TIME/DISTANCE SETTING	0	0

				WEIGHT (LB)	
PTO ELECTRONICS		DESCRIPTION		FRONT	REAR
S	F3AAEX	PTO1 SINGLE SPEED CONTROL RPM.	PTO 1ST, SINGLE SPEED SETTING, 1000 RPM	0	0
S	F5AABX	PTO 1ST, MAX ROAD SPEED	1ST PTO, MAX ROAD SPEED, 10 MPH (16 KPH)	0	0
S	F6AABX	PTO 1ST, SPEED RAMP RATE	PTO 1ST, SPEED RAMP RATE 100 RPM/SEC	0	0
S	F7AAPX	PTO 1ST, MAX ENGINE SPEED	PTO 1ST, MAX ENGINE SPEED, 2100 RPM	0	0
S	F8AAGX	PTO 1ST, ROAD SPEED LIMIT	PTO 1ST, ROAD SPEED LIMIT, 97 KMH (60 MPH)	0	0
S	F9AABX	PTO 1ST, MINIMUM ENGINE SPEED	PTO 1ST, MINIMUM ENGINE SPEED, 600 RPM	0	0
S	L8CB1X	PTO1 DECEL BUMP-DOWN RPM	PTO1 DECEL "BUMP-DOWN" 50RPM	0	0
S	H6AAEX	PTO 2ND, SINGLE SPEED SETTING	PTO 2ND, SINGLE SPEED SETTING, 1000 RPM	0	0
S	H0AABX	PTO 2ND, MAX ROAD SPEED	2ND PTO, MAX ROAD SPEED, 10 MPH (16 KPH)	0	0
S	G9AABX	PTO 2ND, SPEED RAMP RATE	PTO 2ND, SPEED RAMP RATE 100 RPM/SEC	0	0
S	H7AANX	PTO 2ND, MAX ENGINE SPEED	PTO 2ND, MAX ENGINE SPEED, 2100 RPM	0	0
S	H5AAGX	PTO 2ND, ROAD SPEED LIMIT	PTO 2ND, ROAD SPEED LIMIT, 97 KMH (60 MPH)	0	0
S	G8AABX	PTO 2ND, MINIMUM ENGINE SPEED	PTO 2ND, MINIMUM ENGINE SPEED, 600 RPM	0	0

				WEIGHT (LB)	
PAINT		DESCRIPTION		FRONT	REAR
S	950AA4	PAINT DESIGN	SINGLE COLOR	0	0
S	924014	PAINT TYPE	SOLID PAINT	0	0
S	944AA7	PAINT COLOR - FIRST COLOR	MACK WHITE; P9188	0	0

TECHNICAL SPECIFICATION (cont.)



				WEIGHT (LB)	
PAINT	DESCRIPTION			FRONT	REAR
S	945998	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR	0	0
S	946998	PAINT COLOR - THIRD COLOR	NO THIRD TRUCK COLOR PROVIDED; NO COLOR	0	0
S	MPB944	CAB COLOR	SAME AS FIRST COLOR - CAB	0	0
S	996AA3	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT	0	0
S	941998	PAINT: CAB INTERIOR	W/O SPECIAL CAB INTERIOR PAINT (PAINT EXTERIOR COLOR)	0	0
	922001	CHASSIS RUNNING GEAR PROCESS CODE	CHASSIS PAINT PROCESS, STANDARD COLOR (MACK BLACK) 6ABZ1X	0	0
S	95103K	CHASSIS RUNNING GEAR	MACK BLACK (60 GLOSS); 250-12370	0	0
S	958018	BUMPER	PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR	0	0
S	959019	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY***	W/O OPTIONAL FUEL TANK PAINT	0	0
S	962032	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR	0	0
S	963033	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR	0	0

				WEIGHT (LB)	
CALCULATED CODES - KAX	DESCRIPTION			FRONT	REAR
S	9JXA1X	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED	0	0
S	9VXA1X	REAR END CALCULATION	REAR END CALCULATION SYSTEM (PROPCALC+)	0	0

				WEIGHT (LB)	
BASE WARRANTY & PURCHASED COVERAGES	DESCRIPTION			FRONT	REAR
S	898003	VEHICLE WARRANTY TYPE	HEAVY DUTY WARRANTY CLASSIFICATION	0	0
S	M50030	BASIC CHASSIS COVERAGE	HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000 KM)	0	0
	M8301T	EMISSION - SURCHARGE	EPA (only) for Mack MP7 / MP8 Diesel	0	0
	M51E41	ENGINE WARRANTY	ENG PLAN 2: 60 MO/300K MI-EXT ENGINE COVERAGE MP7/MP8 <460HP	0	0
S	M52022	EMISSION COMPONENT COVERAGE	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 60 MONTHS/100,000 MILES (161,000 KM)	0	0
	M53037	ENGINE AFTERTREATMENT SYSTEM	EATS: 60 MO/300K MI-ENGINE AFTERTREATMENT <460	0	0
S	M540B4	TRANSMISSION WARRANTY	ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data)	0	0
S	M550G7	CARRIER & AXLE HOUSING WARRANTY	STANDARD MACK HEAVY DUTY COVERAGE 60 MONTHS / 500,000 (804,672 KM)	0	0
	M560A6	AIR CONDITIONING WARRANTY	HVAC 60 MONTHS DAY/FLAT TOP US PROTECTION PLAN	0	0
S	M57027	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES	0	0
S	M58028	ENGINE TOWING WARRANTY	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM)	0	0
	M61071	ALTERNATOR & STARTER WARRANTY	STARTER/ALT: 60 MO/300K MILES	0	0
S	M82998	MACK ULTRA SERVICE	NO SERVICE CONTRACT INCLUDED	0	0

				WEIGHT (LB)	
CONNECTED SERVICES	DESCRIPTION			FRONT	REAR
	S03014	MACK INTEGRATED UPTIME	MACK INTEGRATED UPTIME - 60 MONTHS	0	0
	S04014	MACK CONNECT LOCATION & REPORTING	MACK CONNECT LOCATION & REPORTING - 60 MONTHS	0	0
S	S05010	FLEET INTEGRATION	WITHOUT FLEET INTEGRATION	0	0
S	S06400	PARTNERED SERVICES	NO PARTNERED SERVICES PROVIDED	0	0

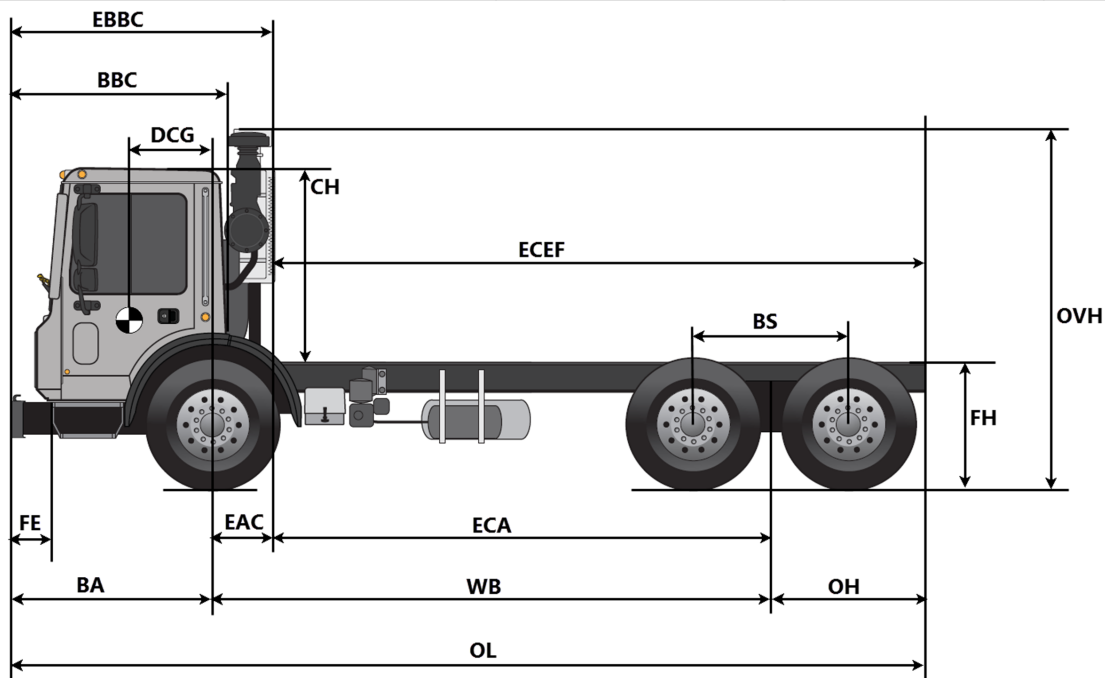
TECHNICAL SPECIFICATION *(cont.)*



ADDITIONAL ENGINEERING (Included)	DESCRIPTION	WEIGHT (LB)	
		FRONT	REAR
CA 24M25004		0	0
FRONT / REAR AXLE WEIGHTS (LB)		9535	8506
TOTAL WEIGHT (LB)		18041	

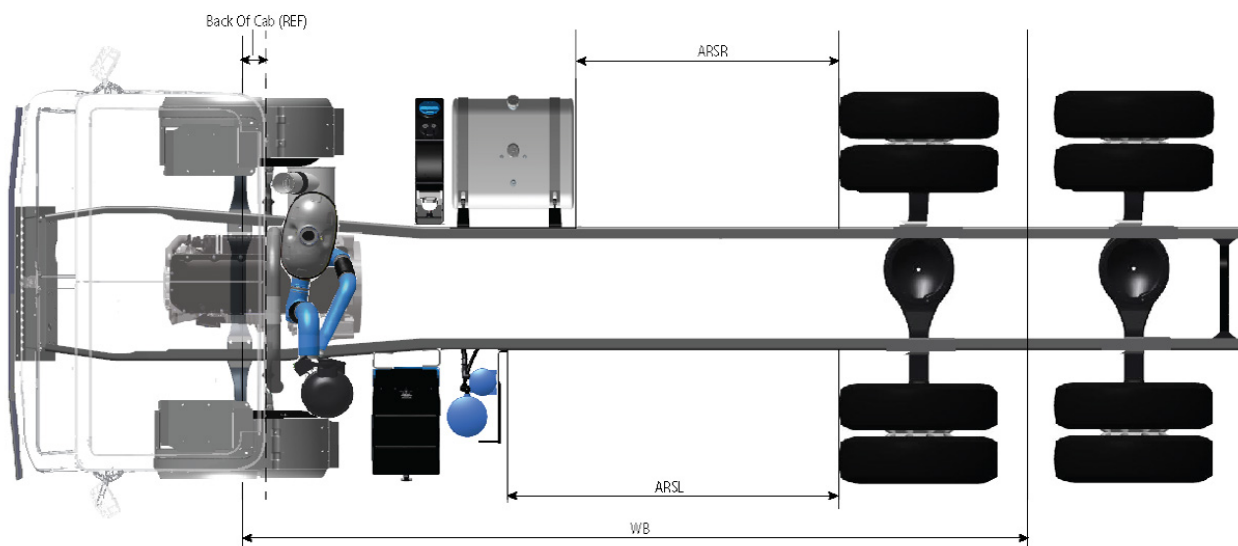
VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Dwg Ref	Length	UOM
Front Frame Extension	FE	0.0	INCHES
Bumper to Front Axle	BA	59.5	INCHES
Eff. Bumper to Front Axle	N/A	59.5	INCHES
Wheelbase	WB	210.0	INCHES
Rear Overhang	OH	108.1	INCHES
Overall Length	OL	377.6	INCHES
Bumper to Back of Cab	BBC	63.0	INCHES
Eff. Bumper to Back of Cab	EBBC	85.0	INCHES
Eff. Cab to Rear Axle	ECA	184.5	INCHES
Eff. Front Axle to Back of Cab	EAC	25.5	INCHES
Eff. Cab to End of Frame	ECEF	292.6	INCHES
Unladen Frame Height	FH	42.3	INCHES
Cab Height	CH	61.6	INCHES
Overall Height	OVH	103.9	INCHES
Driver CG	DCG	13.8	INCHES
54" AXLE SPACING (BOGIE WHEELBASE)	BS	53.9	INCHES



VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Left Value(in)	Right Value(in)
Wheelbase	N/A	WB	210.0	210.0
Available Rail Space Right	N/A	ARSR	N/A	76.0
Available Rail Space Left	N/A	ARSL	134.1	N/A
Eff. Front Axle to Back of Cab	N/A	REF	25.5	25.5
Front Axle To Fender	ABXLXX	N/A	28.0	28.0
Battery Box	393AD9	N/A	0.0	18.0
WITHOUT LH FUEL TANK / 80 GALLON (300 L) ALUMINUM, 26"x24" RECTANGULAR	288AA1 / 290AI4	N/A	0.0	34.1
Ad-Blue Tank	DF1041	N/A	0.0	6.0
Drive Tire Radius	901AJ6	N/A	21.0	21.0



Top View image is intended for illustration purposes only and is not presented to scale. Wheelbase, Axle Spacing and After frame are not shown as specified, but are a representation. Customer Adaptation (CA) options and relocated components are not represented in these images. Most CA options impact the variation of the image, thus an image may not populate. Calculations are approximate to a tolerance of ± 4 inches due to component mounting variation. Certain chassis component options are NOT represented in the Top View image, such as, but not exclusive to, Front Frame Extensions, Fuel Water Separators, Air Dryers, PTOs, Fifth Wheels, Chassis Fairings, Toolboxes, Trailer Connections. For further information on these items and their respective locations on your specification, please refer to the data sheets associated with those items in the configurator.

Limited Product Warranty

Subject to the other provisions hereof, LABRIE ENVIRONMENTAL GROUP, hereinafter called “Labrie” warrants that all new Labrie products (the “Product”) shall be free of defects in material and workmanship under normal use and service for a period of ONE (1) YEAR after delivery to the first registered customer/end-user.

WITHOUT LIMITATION TO THE OTHER PROVISIONS HEREOF, THIS PRODUCT WARRANTY DOES NOT COVER:

- Any and all components or parts of the Product, including without limitation the vehicle chassis, which are not manufactured and installed by Labrie, whether or not they are covered by an original manufacturer’s or supplier’s warranty.
- Paint damage due to paint chips, scratches, rust, deterioration of paint due to elements.
- Damages resulting from abuse, misuse of the Product or from negligence or accidents.
- Damages resulting from use of the Product other than for its intended purpose or in a manner other than its intended normal use and service.
- Damages caused by improper maintenance of the Product including, without limitation, failure to comply with the maintenance requirements set forth in the Product’s Parts and Maintenance Manual.
- Damages caused by the operation of the Product with parts or components known by the customer/end-user to be defective or in need of maintenance.
- Parts, components, or systems which have been modified without the express authorization of Labrie or of an authorized Labrie distributor.
- Repairs which are not completed or otherwise expressly authorized by Labrie or an authorized Labrie distributor.
- Repairs or modifications which have been authorized by Labrie or an authorized Labrie distributor that are performed by personnel which are not qualified to perform such repairs or modifications.
- Normal wear item parts including, without limitation, oils, fluids, filters, tracks, rollers, wear shoes, tailgate seals, chains, divider panels, rubber bumpers, incandescent bulbs, grabber fingers & straps, hyd. strainer, gauges, hoses due to abrasion, packer scraper, spill shields, wind deflectors, plastic dividers, deflectors, common hardware, limit switches & actuators, arm or control linkages and heim joints, pneumatic actuators, tipper cart attachment, driveshaft u-joints, remote grease lines, and normal wear of the steel structure.

Limited Product Warranty

- All adjustments and maintenance resulting from normal use and service of the products, products including, but not limited to, cleaners/lubricants, Diesel/CNG fuel, tightening of fasteners & hydraulic fittings, additional labor due to rust/corrosion from lack of maintenance, environmental cleanup, container handling equipment.
- Repair items including but not limited to, travel time, mileage or other expenses, labor for field inspection, towing, down time, rental equipment, steam cleaning, sealants, paint for replacement parts, duplicate or temporary repairs, shop supplies, road testing, loss of profits, lease or loan, diagnostic time exceeding one hour, flushing of hydraulic system, any other consequential losses, damages or delays encountered.

For the purposes of this warranty, normal use and service means the operation of the new Product for fifty (50) hours per week for its intended purpose and in compliance with the operation and maintenance instructions which are provided by Labrie in the Product's operation and maintenance manuals. It is the customer/end-user's responsibility to make sure that all operators are familiar and comply with the operation manual and the warning decals on the Product.

In the event a part or component of the Product fails or becomes defective during the warranty period and, in the opinion of Labrie, such failure or defect results from Labrie's material or workmanship, the part or component shall be repaired or replaced by Labrie or an authorized distributor at no cost provided that the unit is brought to an authorized distributor's service facility. However, the aforementioned repair or replacement of parts or components may be performed by the customer/end-user as provided herein if specifically authorized by Labrie or an authorized Labrie distributor.

Because the Product is engineered to work only with genuine Labrie parts and components, this warranty shall be void and of no effect if i) the Product is modified other than by Labrie or by an authorized Labrie distributor or other than in accordance with a specific authorization and instructions from Labrie or from an authorized Labrie distributor or ii) if parts and components of any other manufacturer are used as substitutes for genuine Labrie parts and components.

LABRIE MAKES NO WARRANTY AS TO MERCHANTABILITY, FITNESS FOR USE, LEGALITY OF OPERATION IN ANY JURISDICTION OR ANY IMPLIED WARRANTY OF ANY KIND OR NATURE. LABRIE SHALL NOT BE LIABLE FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND OR NATURE. NO OTHER PERSON, FIRM, CORPORATION, INCLUDING THE LABRIE DISTRIBUTOR, CAN BIND LABRIE TO ANY WARRANTY OTHER THAN THIS WARRANTY OR OTHERWISE MODIFY SAID WARRANTY.

Labrie reserves the right to redesign and/or discontinue the manufacture of parts, components, and Products.

LABRIEPLUS OEM SERVICE PARTS WARRANTY

OEM parts for all product brands: One Hundred Eighty (180) days.

Warranty commences on the date the part was purchased from the LabriePlus Distributor. LabriePlus OEM service parts warranty, only covers OEM replacement Parts. The One Hundred Eighty (180) day parts warranty only covers the part. It does not cover Labor or Freight. A case number is required for any failed components marked with an (*) in the Standard Repair Times Chart at the rear of this manual. The case number is to be referenced on the claim. A case number is not a warranty approval but is a reference for information on the failure. Repairs performed without pre-approval will be subject to delay/denial. All parts warranty claims must be submitted within 30 days of the repair date listed on the claim or face claim denial. Warranty on defective LabriePlus OEM service parts will be processed in the same manner as a standard warranty, including the return of the defective parts. The distributor is required to check the specified box on the Warranty Claim Form. A copy of the distributors' invoice to the customer for the failed component, along with any work orders, showing the failed component installation date, must be provided with the Warranty Claim.

CUSTOMER RESPONSIBILITIES

- Operate and maintain the equipment as outlined in the published Operator, Maintenance, and Parts manuals.
- Ensure that all operators are familiar with the Operator's manual and the warning decals on the unit.
- Provide complete, timely, and factual data to the authorized Labrie Enviroquip distributor.
- Make the equipment available within 30 days of reported failure for completion of warranty service/repair. Any delays will require a written explanation to the authorized Labrie Plus distributor for warranty consideration.

NON-WARRANTABLE ITEMS

Parts that fail because of:

- Accident, abuse, misuse, or negligence
- Operation at capacities above rated levels
- Absence of required maintenance service, including failure to change or clean hydraulic filters and/or failure to replace hydraulic fluid as outlined in the Maintenance manual
- Equipment not being operated in accordance with Labrie's applicable written instructions
- The use of Non-OEM Labrie replacement parts for repairs
- Damage or corrosion caused by Outside Elements. (Road salt, gravel, Hail, Etc.)
- The use of Non-OEM approved fluids & lubricants (i.e Hydraulic Fluid, Grease, Etc)

Chassis

- Original chassis and operational components
- Any CNG, gasoline, diesel engine, or electric motor
- Chassis Components manufactured by third parties and supplied by Labrie, the same being subject to warranties, if any, by their respective manufacturers (IE: Tag axles, Push axles, Driveline Retarders, Etc...)

Parts shipments

- In-bound freight for shipment sent Next, 2nd, or 3rd Day Air, accelerated or expedited to the Distributor or the Customer location
- Parts not properly packaged or cleaned when returned to LabriePlus.
- Collect parts shipment sent to Labrie Plus. If parts are shipped collect, they will not be accepted and will be returned at the distributor cost.
- Incorrect parts received that are not defective in material or workmanship.

Damage caused by improper maintenance and/or use

- Parts and components whose failure is attributed to the adverse effects of physical or chemical properties of materials being handled
- Any part that has been damaged caused by a failure to remove another part already identified as faulty. Any damage to equipment resulting from failure to remove a faulty part will be deemed negligence and unacceptable for warranty claim.
- Any unit or component that has been altered without factory authorization
- Any part or component that has been disassembled or modified prior to its return to LabriePlus for inspection
- Damage to components as a result of failure to install LabriePlus-approved field modification kits
- Damage resulting from improper repairs or workmanship by a distributor, contracted repair agent of a distributor, or end-user

- Any modification not authorized by LabriePlus. All modification proposals, including those to be made in emergency situations, must be approved by LabriePlus prior to implementation by a Field Service Representative. (Improper emergency repairs could possibly result in additional component failures.

Maintenance and Wear Items (but not limited to)

- Loss of Hydraulic Fluid
- Lubricant, Cleaners and grease
- Diesel/CNG fuel and urea (DEF) additives
- Tightening of Fasteners
- Tightening of Hydraulic lines/fittings
- Packer wear shoes
- Tailgate/Cleanout door seals
- Rubber bumpers
- Incandescent Light Bulbs
- Remote grease lines and fittings
- Automatic greaser lines and fittings
- Grabber rubber straps
- Grabber spring leaf's (grabber fingers)
- Bumpers
- Filters
- Strainers
- Filter adapters
- Gauges
- Hoses - failed due to abrasion
- Rollers and Bearings
- Floor liners
- Scraper
- Spill shields
- Cart Tipper Cams
- Plastic dividers
- Wind deflectors
- Heavy duty wipers
- Hopper side liners
- Deflectors
- Rubber strips
- Common hardware (i.e. Bushings, Pivot pins, bearings, bolts etc.)
- Additional labor caused by rust, corrosion, or lack of maintenance to a component
- body wear (steel)
- Automated arm chains and Hardware
- Maintenance related repairs
- Non-OEM Parts

- Automated Rubber Chain Guards
- Limit switch actuators and Levers
- Arm or Control Linkages and Heim joints
- Environmental Clean up
- Drive-shaft U-Joints
- Cart attachment and/or automatic cart attachment
- Leaking Pneumatic actuators on Hydraulic Valves

Adjustments

- Routine adjustments such as: system pressures, limit switch adjustments, proximity switch adjustments, auto-dump adjustments, wear shoe adjustments and other adjustments considered to be general maintenance.
- Any pressure adjustment component that has had the seal broken by a customer or parts that fail as a result of improper hydraulic pressure adjustment.
- Customer, Distributor, and/or 3rd party man-hours during remote computer troubleshooting.
- Adjustments to container handling equipment (ie: tippers, load edge, etc.)

Paint

- Paint chips
- Scratches
- Rust
- Deterioration of paint due to weather

Repair Items

- Any type of travel time, mileage or other expenses
- Administrative time for warranty processing/parts ordering
- Any labor related to field inspection
- Towing expenses
- Down time
- Rental of equipment
- Steam cleaning
- Teflon tape or sealant
- Paint for replacement repairs or parts
- Duplicate repairs
- Temporary repairs
- Shop supplies. (zip-ties, brake clean, rust penetrant, welding supplies, etc.)
- Fax and telephone communication
- Road testing
- Loss of profits
- Lease or loan
- Production time
- Diagnostic time exceeding one (1) hour without written pre-approval from Labrie

- Flushing hydraulic system after component failure.
- Labor and repair time for troubleshooting with Labrie Technical Support.
- Work performed by a source other than the Labrie authorized distributor, without written pre-approval from Labrie prior to repairs.
- Any other consequential losses, damages or delays that are encountered

Road Hazards during delivery from the factory to the Customer/Distributor/3rd Party

- Tires
- Windshield
- Windows
- Mirrors
- Paint
- Etc.

WARRANTY REPLACEMENT PARTS

Only LabriePlus genuine parts must be used to repair units under warranty. Repairs carried out with parts other than LabriePlus OEM parts may be denied. LabriePlus reserves the right to furnish re-built parts for replacement or to specify the rebuilding of parts, under warranty. If parts are purchased locally and used on a vehicle that is under warranty, the warranty might not apply on that specific part and labor. Approval from a Labrie Field Service Representative or Warranty Manager is required.

Parts are to be purchased through LabriePlus and submitted for reimbursement as a parts warranty claim. Parts will not be provided at “no charge”; invoices for warranty parts are to be paid as any typical parts order.

LabriePlus reserves the right to determine whether a component should be repaired, rebuilt or replaced.

Chassis-related fuels and fluids, such as CNG gas, diesel fuel, diesel exhaust fluid (DEF), engine oil, etc. are not within the scope of the delivery or warranty of a Labrie Enviroquip Group product; costs incurred for these items will not be reimbursed.