

# CUSTOMER PROPOSAL

**PREPARED FOR**

NORTH CAROLINA SHERIFF ASSOCIA  
323 W Jones St  
RALEIGH  
NC 27603-1365

**DATE**

3/17/2022

**PREPARED BY**

SHEALY TRUCK CENTER OF THE PIEDMONT,  
INC  
331 MIDPOINT BLVD  
DUNCAN  
SC 29334

**QUOTE INFORMATION**

SHEA2022000092C697  
LR 42R  
Qty: 1



**SHEALY TRUCK CENTER**  
"Quality Without Compromise"



# TECHNICAL SPECIFICATION

## LR 42R



APPLICATION PACKAGES			DESCRIPTION
MPK1SK	CHASSIS CONFIGURATION PACKAGE	LH Battery Box, 6.6 Gallon (25L) RH DEF, Single RH Fuel Tank, Vertical BOC DPF/SCR	

CUSTOMER/VEHICLE INFO			DESCRIPTION
S	0029T2	CHASSIS (BASE MODEL)	LR 42R 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
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
	0051J5	VEHICLE USE & BODY/TRAILER TYPE	ROLL-OFF TRUCK
S	032A39	TERRAIN GRADE	NORMAL HIGHWAY, STARTING GRADES<12%
S	033A10	LOADING SURFACE	CONCRETE LOADING AND / OR UNLOADING SURFACE
	0342A4	VEHICLE VOCATION	REFUSE / LANDFILL OPERATION

ENGINE/TRANSMISSIONS			DESCRIPTION
S	1000T0	ENGINE PACKAGE, COMBUSTION	MP7-325M MACK 325HP @ 1400-1900 RPM (PEAK) 2100 RPM (GOV) 1260 LB-FT, US'17
	1361W6	TRANSMISSION	3000 RDS 6 SPEED ALLISON GEN6 W/PROGNOSTICS, WITH PTO PROVISION

EXHAUST/EMISSIONS			DESCRIPTION
	CIRAA2	CARB 2008 IDLE REGULATION	IDLE EMISSION CERTIFICATION, BASIC
S	DF1041	DIESEL EXHAUST FLUID TANK	6.6 GALLON (25 L) 22" RIGHT SIDE FRAME MOUNTED
S	130AC7	EXHAUST	SINGLE VERTICAL RIGHT SIDE OUTBOARD MOUNTED STRAIGHT EXH STACK PLAIN END, SIDE OUTLET DIFFUSER
S	Q0AA1X	EXHAUST SYSTEM MATERIAL FINISH	W/O VERT EXH-BRIGHT FINISH
	78ADAX	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2022

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 POSITION (CA)	AIR DRYER POSITION STANDARD
S	132AB9	ALTERNATOR	DELCO 12V 160A (28SI) BRUSH-TYPE
S	316AA6	BATTERIES	(3) MACK 12V 650/1950 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
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
	H9XN1X	RADIATOR TYPE	EXTRA NARROW RADIATOR WITH LENGTH 1 (60 DM2)
S	124AA2	HOSES - RADIATOR/HEATER	SILICONE RADIATOR AND HEATER HOSES
S	293043	FUEL-WATER SEPARATOR	MACK W/MANUAL DRAIN VALVE W/ HOT RECIRCULATION (INTEGRAL W/ PRIMARY FUEL FILTER)

# TECHNICAL SPECIFICATION *(cont.)*



ENGINE EQUIPMENT			DESCRIPTION
S	QHXC1X	OIL SUMP	OIL PAN
	MCA00A	ENGINE HEATERS	NO COLD WEATHER STARTING AIDS PROVIDED
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
	195AB1	DRIVELINE - MAIN	SPICER 1710 HD W/COATED SPLINES (PROPS-S)
S	76AA1X	PROPELLR SHAFT MAIN, UNVSL JNT	UNIVERSAL JOINT HALF-ROUND TYPE
S	7RXAEX	LUBRICANTS, TRANSMISSION	TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS
S	139AA7	TRANSMISSION OIL COOLER	ALLISON TRANSMISSION W/DIRECT MOUNT COOLER

FRONT AXLE EQUIPMENT			DESCRIPTION
S	240AA3	FRONT AXLE	20000# (9100 KG) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS
S	244AB4	SPRINGS - FRONT	MACK TAPERLEAF 20000# (9100 KG) GROUND LOAD RATING, EQUAL BIAS
S	241081	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 6" Q+
S	U0AA1X	FRONT BRAKE ADJ. MANUFACTURE	HALDEX - AUTOMATIC
S	V7AD1X	FRONT BRAKE CHAMBER MFG.	FRONT BRAKE CHAMBER MANUFACTURER, MGM
S	0KXA1X	HUB MATERIAL, FRONT	FERROUS
S	1KAA1X	SHOCK ABSORBER, FRONT	DOUBLE ACTING TYPE
S	245AA6	STEERING	M100P PLUS RIGHT SIDE ASSIST CYLINDER
S	2SAA1X	BUMP STOP, FRONT SUSPENSION	STATIC LOAD CUSHIONS

REAR AXLE EQUIPMENT			DESCRIPTION
S	252AA5	REAR AXLE - SINGLE	23000# (10400kg) MACK RA23R DOUBLE REDUCTION
S	6MAA1X	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE
S	018AA4	CARRIER - REAR AXLE	CRD151 (USED W/ MACK SINGLE AXLES)
	TAXGHX	REAR AXLE RATIO	3.98 RATIO
S	260AK0	REAR SUSPENSION - SINGLE	23000# (10432kg) MULTILEAF
S	253AA4	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+
S	U4XA1X	BRAKE, DRIVE, REAR	CAST IRON
S	U1AA1X	REAR BRAKE ADJ MANUFACTURE	HALDEX - AUTOMATIC
	V1AB1X	REAR BRAKE CHAMBER SIZE	REAR SPRING BRAKE CHAMBERS 30/30 TYPE
S	300AB8	PARKING BRAKE CHAMBER	MGM TR3030LP3THD BRAKE CHAMBERS
S	3GAA1X	BRAKE CHAMBER DIAPHRAGM MATERIAL (CA in PC28 only)	W/O BRAKE DIAPHRAGM OPTION
S	0LXI5X	HUB MATERIAL, DRIVE	IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT
S	N2AE1X	SPINDLE NUTS, MAIN AXLE	SPINDLE NUTS, MAIN AXLE, INTEGRATED
S	7WXA1X	LUBRICANTS, REAR AXLE(s)	FACTORY OPTION LUBE - REAR AXLE 80W-90
S	698058	ANTILOCK BRAKE SYSTEM	BENDIX WITHOUT TRACTION CONTROL 4S4M

FRAME EQUIPMENT/FUEL TANKS			DESCRIPTION
	CA 271149	WHEELBASE	149"
	CA 374082	AF (OVERHANG)	82"
S	MCE0KE	FRAME RAILS & LINERS	9.5 x 82 x 340mm - (0.375" x 3.25" x 13.38"); RBM 2,037,600 LB-IN
S	281AI1	CROSSMEMBERS	STEEL 1/2" PL BOLTED BOC & INTERMDT 1/8" BELOW TOP OF RAIL
	9DEZ1X	AUX CROSSM. IN REAR OVERH TYPE	WITHOUT AUXILIARY CROSSMEMBER

# TECHNICAL SPECIFICATION *(cont.)*



FRAME EQUIPMENT/FUEL TANKS			DESCRIPTION
S	Q5AA1X	REAR CROSSMEMBER OPTIONS	STEEL CLOSING REAR CROSSMEMBER
S	4DXA6X	FRONT BUMPER	FLUSH-PAINTED STEEL
S	5EXF1X	GUARD	SKID PLATE UNDER BUMPER AND RADIATOR
S	4EXD1X	TOWING DEVICE, FRONT	CENTER TOW CAPABILITY BASED ON BUMPER SELECTION
S	2RAA2X	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON R.H TANK
S	290AH9	FUEL TANK - RH	70 GALLON (265 L) STEEL, 26"x24" RECTANGULAR
S	JHXC1X	FUEL HOSES, LIQUID	AEROQUIP FIRE RESISTANT HOSE
S	HBXAOX	FUEL TANK POSITION (CA in PC28 only)	RELOCATE R.H. TANK AS FAR FORWARD AS POSSIBLE, 5" BELOW TOP OF RAIL
S	852072	FUEL FILLER NECK OPTIONS	FOR RH FUEL TANK

AIR/BRAKE			DESCRIPTION
	UWXABX	AIRTANK DRAIN VALVE	MANUAL DRAIN VALVES, ALL TANKS, IN MAINFOLD W/LABEL
S	U2XB1X	AIRTANK MATERIAL	STEEL AIR TANK PAINTED CHASSIS COLOR
S	1JAAAX	PARKING BRAKE VALVE	SINGLE VALVE SYSTEM
	3KAB1X	AUXILIARY BRAKE CONTROL	AUXILIARY WORK BRAKE HAND CONTROL, ACCESSIBLE BOTH SIDES

ELECTRICAL			DESCRIPTION
S	5RXA8X	BACK-UP ALARM	PRECO, MODEL 1059
S	312006	ROOF & SIDE MARKER LIGHTS	TRUCKLIGHT TYPE ROOF MARKER for LR
	LJXABX	HEADLAMP BULB TYPE	HEADLAMP BULB TYPE, HALOGEN
S	LSXH2X	DAYTIME RUNNING LIGHTS	ENGINE RUNNING ACTIVATED
S	M4XAAX	AUX. POWER OUTLET, INTERIOR (CA in PC28 only)	COMPUTER AND 2-WAY RADIO DEDICATED CIRCUIT
S	3BCB1X	FRONT & SIDE INDICATOR LMP TYP	FRONT AND SIDE DIRECTION IND & MARKER, LED TYPE

TRAILER CONNECTIONS			DESCRIPTION
S	4BAA1X	EXT. INDICATOR LMP, MAIN SWITCH (CA in PC28 only)	FURNISH ON OR NEAR BATTERY BOX (LIGHT ON IN RUN POSITION)

PTO			DESCRIPTION
S	826086	HYDRAULIC PUMP	FURNISH PUMP MTG PROVISIONS - INCLUDE WIRING, SWITCHES, AND INDICATORS AS REQUIRED
S	183AA2	CRANKSHAFT ADAPTER	1350 SERIES FLANGE (DOES NOT INCLUDE FRONT FRAME EXTENSION)
	5XXZ1X	PTO TRANSMISSION MOUNTED ADM.	WITHOUT PTO TRANSMISSION
S	L3XN1X	BODY BUILDER MODULE	ControlLink III BODY BUILDER EL PREP KIT, REFUSE, RP170 ELECT. INTERFACE (3 CON 54 PINS)

SPECIALTY EQUIPMENT			DESCRIPTION
S	8FXU1X	TRANSPORT ADAPTATION	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 MATS	FLOOR MAT, RUBBER
S	E0AABX	GAUGE TRANSM. OIL TEMP	TRANSMISSION GAUGE AND TRANS. OIL HIGH TEMPERATURE LIGHT
S	198048	GAUGES - UNIT OF MEASURE	U.S. UNITS (PREDOMINANT)

# TECHNICAL SPECIFICATION *(cont.)*



CAB INTERIOR (H THRU R)			DESCRIPTION
S	20XA1X	KEY TYPES FOR DOORS	BASIC UNIQUE KEY
S	1WAA1X	POWER LEADS	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) MOUNTED ON TOP OF DASH

CAB INTERIOR (S THRU Z)			DESCRIPTION
S	196096	SEAT - DRIVER'S	AIR-SEARS MID-BACK SEAT C-2 W/FABRIFORM CUSHIONS
	1970G7	SEAT - PASSENGER'S	MACK FIXED (MID-BACK) NON-SUSPENSION
	4850U5	SEAT COVERING	DRIVER FABRIFORM, CLOTH, BLACK; RIDER - CORDURA CLOTH, BLACK
	5920E2	SEAT BELT(S)	LAP & SHOULDER (BOTH SEATS) ORANGE IN COLOR
S	2WXAAX	STEERING WHEEL	DIAMETER 450MM STEERING WHEEL, RUBBER GRIP V1
	XRXB1X	STEERING WHEEL ADJUSTMENT	STEERING COLUMN, ADJUSTABLE TILT TELESCOPE
S	NPXB1X	TURN SIGNALS	SELF CANCELLING TURN SIGNALS
S	JQXAAX	WASHER RESERVOIR POSITION	W/O WINDSHIELD WASHER OPTION
S	T2AA1X	WINDSHIELD PROTECTOR	FURNISH WINDSHIELD PROTECTOR

CAB EXTERIOR			DESCRIPTION
S	28XD1X	FRONT GRILLE	LR BLACK GRILLE WITH BLACK SURROUND
	14400S	CAB	RH & LH SIT DOWN; RH DRIVE ONLY, EXTENDED CAB VERSION
S	424084	CAB DOOR OPTIONS	LH FRONT HINGED DOOR W/PWR WINDOW: RH FOLD-UP DOOR W/ SLIDABLE WINDOW
S	2EXA1X	CAB TILT PUMP	LOCATED IN STD LOCATION
S	Q2AA1X	CAB INSTEP VERSION	Cab Low Entry Step
S	MCD01D	PASSENGER SIDE VISIBILITY OPTIONS	WITHOUT AUXILIARY WINDOW IN RH DOOR WITHOUT SIDE CLOSE VIEW MIRROR
S	154AB0	HORN - AIR	(1) TWIN-UNDER CAB TRUMPET W/DUAL LANYARD CONTROL
S	LXXC1X	HORN - ELECTRICAL	SINGLE TONE
S	MCL0FL	MIRRORS - LEFT SIDE EXTERIOR	LH BLACK AERO MIRROR ELECTRICAL OPERATED & HEATED, W/ HEATED SQUARE BLACK CLOSE VIEW
S	MCR0CR	MIRRORS - RIGHT SIDE EXTERIOR	RH BLACK AERO MIRROR ELECTRICAL OPERATED & HEATED, W/ HEATED SQUARE BLACK CLOSE VIEW

WHEELS & TIRES			DESCRIPTION
S	9004Y0	TIRES BRAND/TYPE - FRONT	315/80R22.5 L BRIDGESTONE M870 (20000 lbs) (Total for QTY = 2)
S	531221	WHEELS - FRONT	22.5x9.00 ACCURIDE WHITE POWDER COAT STEEL, 7.00" OFFSET, 5 HAND HOLE (Total for QTY = 2)
S	FWT002	FRONT AXLE TIRE & WHEEL QUANTITY	TWO FRONT TIRES & WHEELS
S	901AX1	TIRES BRAND/TYPE - REAR	11R22.5 G BRIDGESTONE R268 ECOPIA (23360 lbs) (ALL POSITION) (Total for QTY = 4)
S	3462J6	WHEELS - REAR	22.5x8.25 ACCURIDE ACCU-LITE WHITE POWDER COAT STEEL, 6.60" OFFSET, 5 HAND HOLE (Total for QTY = 4)
S	RWT004	REAR AXLE TIRE & WHEEL QUANTITY	FOUR REAR AXLE TIRES & WHEELS
S	H1EB1X	DRIVE WHEEL STUDS	DRIVE WHEEL STUDS LONGER LENGTH
S	15XABX	TIRE INFLATION VALVE	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 (P2), 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES
	2JCA1X	REMOTE DIAG SERVICES	REMOTE DIAGNOSTIC SERVICES, ENABLED

ENGINE ELECTRONICS			DESCRIPTION
S	WOXA1X	OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN



# TECHNICAL SPECIFICATION *(cont.)*



ENGINE ELECTRONICS			DESCRIPTION
S	WMXA1X	COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN
S	K5XA2X	ENGINE PROTECTION SYSTEM	ENGINE PROTECTION (SHUTDOWN)
S	K7XY1X	ENGINE IDLE CONTROL	IDLE CONTROL, 600 RPM
S	X0AB0X	SMART IDLE ELEVATED IDLE RPM TIME	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	EL HD THROTTLE,MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)
S	B6ACEX	EL HAND THROTTLE,MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM
S	B4ADAX	EL HAND THROTTLE,MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM
S	B9AABX	EL HD THROTTLE,SPEED RAMP RATE	ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC

TRANSMISSION ELECTRONICS			DESCRIPTION
S	7790Z9	TRANSMISSION ELECTRONICS PACKAGE	GENERAL REFUSE SERVICE (168) - LIMITED TO 2ND GEAR IN SECONDARY MODE (RH DRIVING POSITION)
	B1EC1X	TRANSM AUTO NEUTRAL ON P-BRAKE	ALLISON PARK BRAKE AUTO NEUTRAL-ALLOWS THE DRIVER TO ENGAGE GEAR PRIOR TO DISENGAGING THE PARK BRAKE
	MAV0AV	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	FUELSENSE, FULL NEUTRAL AT STOP

VEHICLE ELECTRONICS			DESCRIPTION
S	JCXE6X	ROAD SPEED LIMITER SETTING	105 KM/H ROAD SPEED LIMITER(65 MPH)
S	Y3CC5X	PEDAL RSL SETTING	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	A4BAAX	DETECTION SPEED SENSR TMPRNG	DETECTION OF SPEED SENSOR TAMPERING, ENABLE
S	8RXAEX	ENG TORQUE LIMIT,SPEED SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED
S	G5AAHX	ENGINE OVERSPEED,ALL COND, LOG	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM
S	G2AAGX	ENGINE OVERSPEED,FUELED, LOG	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM
S	G4AAUX	VEHICLE OVERSPEED,ALL COND,LOG	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)
S	G3AAPX	VEHICLE OVERSPEED, FUELED, LOG	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)
S	G1AABX	ENGINE IDLE DELAY TO LOG	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	SERVICE ALERT	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

# TECHNICAL SPECIFICATION *(cont.)*



PTO ELECTRONICS			DESCRIPTION
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
S	951AA6	CHASSIS RUNNING GEAR	MACK BLACK (URETHANE); P3036
S	958018	BUMPER	PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR
S	959069	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY***	PAINT FUEL TANK SAME COLOR AS CHASSIS RUNNING GEAR
S	962032	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR
S	963033	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR

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	M57037	CHASSIS TOWING WARRANTY	STANDARD SEVERE DUTY CHASSIS TOWING - NOT APPLICABLE
S	M58028	ENGINE TOWING WARRANTY	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM)
S	M690F9	GUARDDOG CONNECT BUNDLE	24 MONTH - GUARDDOG CONNECT WITH MACK OTA (with ASIST and Mack OneCall))
S	M78010	PREPAID API	WITHOUT PREPAID API
S	M67017	PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION	W/O PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION COVERAGE



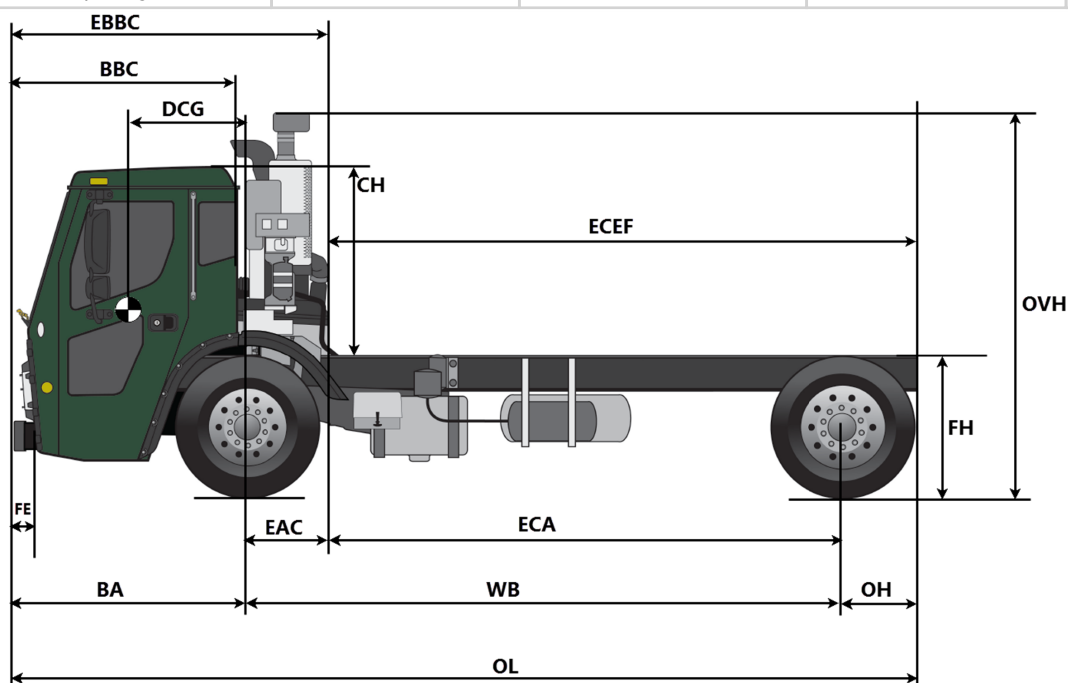
ADDITIONAL ENGINEERING (Non Approved)	DESCRIPTION
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CA 1



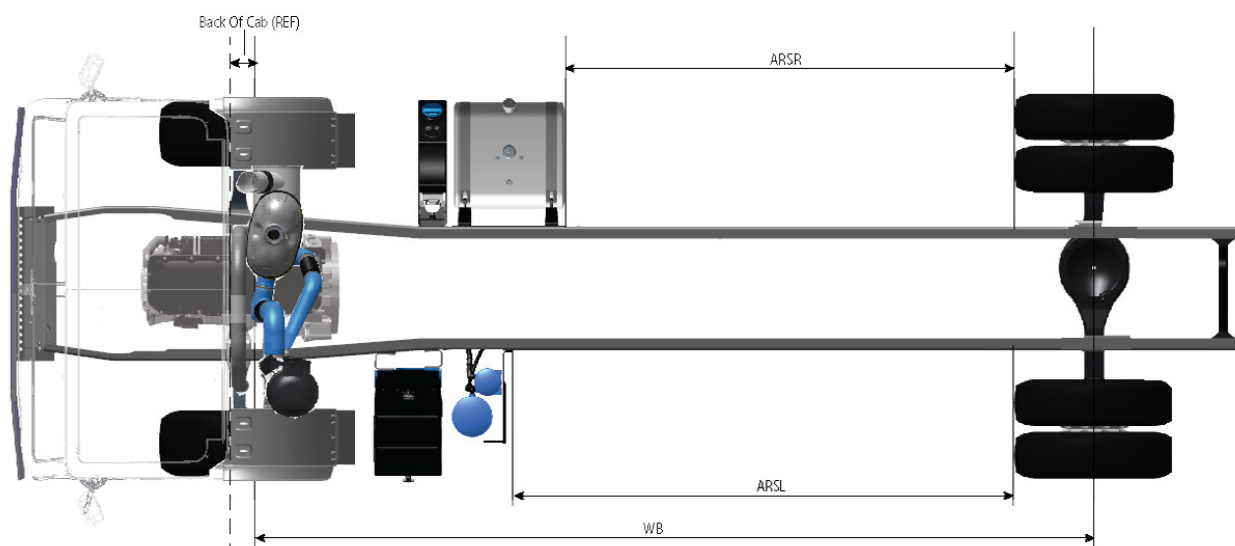
**VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY**

Description	Sales Code	Dwg Ref	Length	UOM
Front Frame Extension	N/A	FE	0.0	INCHES
Bumper to Front Axle	N/A	BA	69.9	INCHES
Wheelbase	N/A	WB	149.0	INCHES
Rear Overhang	N/A	OH	82.1	INCHES
Overall Length	N/A	OL	301.0	INCHES
Bumper to Back of Cab	N/A	BBC	64.6	INCHES
Eff. Bumper to Back of Cab	N/A	EBBC	94.6	INCHES
Eff. Cab to Rear Axle	N/A	ECA	124.3	INCHES
Eff. Front Axle to Back of Cab	N/A	EAC	24.7	INCHES
Eff. Cab to End of Frame	N/A	ECEF	206.4	INCHES
Unladen 5th Wheel Height	AAX29X	5W	0.0	INCHES
Unladen Frame Height	N/A	FH	41.4	INCHES
Cab Height	N/A	CH	56.1	INCHES
Overall Height	N/A	OVH	97.5	INCHES
Driver CG	N/A	DCG	13.8	INCHES
Second Front Axle Spacing		SFAS	0.0	INCHES



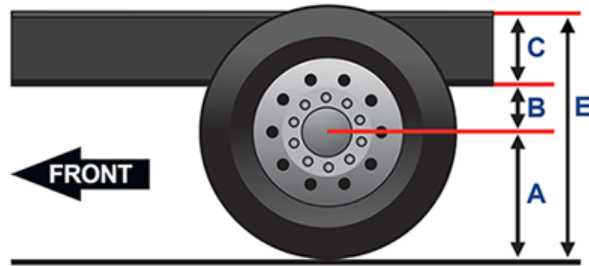
# VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Left Value(in)	Right Value(in)
Wheelbase	N/A	WB	149.0	149.0
Available Rail Space Right	N/A	ARSR	N/A	46.5
Available Rail Space Left	N/A	ARSL	100.3	N/A
Eff. Front Axle to Back of Cab	N/A	REF	24.7	24.7
Front Axle To Fender	ABXUMX	N/A	28.0	28.0
Battery Box	393AD9	N/A	0.0	18.0
WITHOUT LH FUEL TANK / 70 GALLON (265 L) STEEL, 26"x24" RECTANGULAR	288AA1 / 290AH9	N/A	0.0	29.8
Ad-Blue Tank	DF1041	N/A	0.0	6.0
Drive Tire Radius	901AX1	N/A	20.7	20.7



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  $\pm 4$  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.

VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY					
			Rear		
Description	Sales Code	Dwg Ref	Unladen	Laden	UOM
Requested Fifth Wheel Height	AAX29X		0.0	0.0	INCHES
Tire Radius	901AX1	A	20.7	19.3	INCHES
Suspension Height	260AK0	B	9.9	8.1	INCHES
Frame Depth	YBXJ1X	C	10.8	10.8	INCHES
Closest Available Fifth Wheel Leg Height	N/A	D	0.0	0.0	INCHES
Total Height	N/A	E	41.4	38.2	INCHES





VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY				
Sub-Category	Sales Code	Sales Code Description	Value	UOM
Front Axle	240AA3	20000# (9100 KG) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS	20000	LB
Front Suspension	244AB4	MACK TAPERLEAF 20000# (9100 KG) GROUND LOAD RATING, EQUAL BIAS	20000	LB
Front Tires	9004Y0	315/80R22.5 L BRIDGESTONE M870 (20000 lbs)	20000	LB
Front Wheels	531221	22.5x9.00 ACCURIDE WHITE POWDER COAT STEEL, 7.00" OFFSET, 5 HAND HOLE	20001	LB
Front GAWR			20000	LB
Rear Axle	252AA5	23000# (10400kg) MACK RA23R DOUBLE REDUCTION	23000	LB
Rear Suspension	260AK0	23000# (10432kg) MULTILEAF	23000	LB
Rear Tires	901AX1	11R22.5 G BRIDGESTONE R268 ECOPIA (23360 lbs) (ALL POSITION)	23361	LB
Rear Wheels	3462J6	22.5x8.25 ACCURIDE ACCU-LITE WHITE POWDER COAT STEEL, 6.60" OFFSET, 5 HAND HOLE	29600	LB
Rear GAWR			23000	LB
Truck GVWR			43000	LB
Gross Combination Weight Rating			0	LB
Tax Value GVWR (USA FET Only)			43000	LB



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