

# 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**

SHEA2022000085C697  
GRANITE 64FR  
Qty: 1



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



# TECHNICAL SPECIFICATION

## GRANITE 64FR



| APPLICATION PACKAGES |                               | DESCRIPTION   |
|----------------------|-------------------------------|---|
| MPK07K               | CHASSIS CONFIGURATION PACKAGE | ONEBOX EATS, LH BATTERY BOX, 6.6 GALLON (25L) SLEEVED DEF, 22" SLEEVED LH FUEL TANK |

| CUSTOMER/VEHICLE INFO |        | DESCRIPTION                                |
|-----------------------|--------|--|
| S                     | 002EF2 | CHASSIS (BASE MODEL)                       |
| S                     | 99X93X | ASSEMBLY PLANT                             |
|                       | MP2001 | CUSTOMER FLEET SIZE                        |
| S                     | 013001 | TYPE OF SERVICE                            |
| S                     | M98018 | WARRANTY REGISTRATION LOCATION             |
|                       | MBT01T | EMISSION WARRANTY CERTIFICATION            |
| S                     | 5050B5 | INITIAL REGISTRATION LOCATION              |
| S                     | 534014 | LANGUAGE-PUBS/DECAL/SIGNS                  |
| S                     | DHX10X | ROAD CONDITION                             |
|                       | 005145 | VEHICLE USE & BODY/TRAILER TYPE            |
|                       | 2KEZ1X | TRAILER TYPE                               |
| S                     | DKX99X | GROSS COMBINATION WEIGHT (CA in PC29 only) |
| S                     | 70BB1X | BRAKE REGULATION                           |
|                       | QCXA1X | TOPOGRAPHY                                 |
| S                     | E1BD1X | AMBIENT TEMP UPPER LIMIT (GTA)             |
| S                     | 032A89 | TERRAIN GRADE                              |
| S                     | 033A10 | LOADING SURFACE                            |
|                       | 0342A2 | VEHICLE VOCATION                           |

| ENGINE/TRANSMISSIONS |        | DESCRIPTION                |
|----------------------|--------|----------------------------|
| S                    | 1000P0 | ENGINE PACKAGE, COMBUSTION |
| S                    | 3GCB1X | GHG APPLICATION, VEHICLE   |
|                      | 136AG2 | TRANSMISSION               |
| S                    | V4EZ9X | GEARBOX 12TH GEAR LOCK-OUT |

| EXHAUST/EMISSIONS |        | DESCRIPTION                      |
|-------------------|--------|----------------------------------|
|                   | CIRAA2 | CARB 2008 IDLE REGULATION        |
| S                 | DPF04F | DPF DIESEL PARTICULATE FILTER    |
| S                 | MCF07F | CHASSIS MOUNTED EMISSIONS FINISH |
| S                 | DF1001 | DIESEL EXHAUST FLUID TANK        |
| S                 | 130AB6 | EXHAUST                          |
| S                 | KRXB5X | EXHAUST STACK HEIGHT             |
| S                 | Q0AA1X | EXHAUST SYSTEM MATERIAL FINISH   |
|                   | 78ADAX | EMISSION ON BOARD DIAG CONTROL   |

| ENGINE EQUIPMENT |        | DESCRIPTION          |
|------------------|--------|----------------------|
| S                | 125045 | AIR CLEANER          |
| S                | 121AA5 | BUG SCREEN           |
| S                | 1130L3 | AIR COMPRESSOR/DRYER |

# TECHNICAL SPECIFICATION *(cont.)*



| ENGINE EQUIPMENT |        |  | DESCRIPTION  |
|------------------|--------|--|--|
| 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                | 393AA2 | BATTERY BOX - MOUNTING (x)               | LH RAIL UNDER CAB FORWARD OF FUEL TANK (3 BATTERY MAX)   |
| S                | L5XA1X | BATTERY BOX COVER                        | MOLDED PLASTIC   |
| S                | NCXA5X | STARTER MOTOR                            | 12 VOLT DELCO 39MT-MXT   |
| S                | JMxB1X | ENGINE BRAKE LIGHTING (CA)               | VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON SERVICE BRAKE APPLICATION ONLY(3899000) |
| 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                 |
|                  | H9XK1X | RADIATOR TYPE                            | RADIATOR, CORE AREA W/O FEPTO 1345sq in (86sq dm), CORE AREA W/ FEPTO 1296sq in (83sq dm)            |
| S                | 124AA3 | HOSES - RADIATOR/HEATER                  | MACK EPDM RADIATOR & HEATER HOSES  |
| S                | 293043 | FUEL-WATER SEPARATOR                     | MACK W/MANUAL DRAIN VALVE W/ HOT RECIRCULATION (INTEGRAL W/ PRIMARY FUEL FILTER)                     |
| S                | MBXA1X | PRIMARY FUEL FILTER POSITION (CA)        | STANDARD FUEL FILTER POSITION  |
| S                | MCA00A | ENGINE HEATERS                           | NO COLD WEATHER STARTING AIDS PROVIDED   |
| S                | QHXC1X | OIL SUMP                                 | OIL PAN  |
| S                | 2YBZ1X | ENGINE STOP, EMERGENCY (CA in PC29 only) | WITHOUT ENGINE STOP, EMERGENCY   |

| CLUTCH/TRANS EQUIPMENT |        |                                     | DESCRIPTION   |
|------------------------|--------|-------------------------------------|---|
|                        | 492032 | GEAR SHIFTER                        | EATON/FULLER SHIFTER  |
|                        | 133AD1 | CLUTCH                              | EATON ADVANTAGE EZ-PEDAL 9-SPRING,2PLATE 15.5" CERAMIC 6 PADDLES, MANUAL ADJUST |
|                        | MCB04B | CLUTCH ACTUATION SYSTEM & PEDAL PAD | MECHANICAL CLUTCH CABLE SYSTEM WITH RUBBER PEDAL                                |
|                        | 1950L5 | DRIVELINE - MAIN                    | SPICER SPL350HDXL LITE - 2XLARGE (PROPS2XL)                                     |
|                        | 204054 | DRIVELINE - INTERAXLE               | SPICER SPL250XL "LITE SERIES"   |
|                        | 76AA1X | PROPELLR SHAFT MAIN, UNVSL JNT      | UNIVERSAL JOINT HALF-ROUND TYPE   |
| S                      | 8WAAAX | PROP SHAFT INTERAXL UNIV JOINT      | HALF-ROUND UNIVERSAL JOINT  |
| S                      | 4LDA1X | TRANSMISSION OUTPUT TORQUE          | TRANSMISSION OUTPUT TORQUE BASIC  |
| S                      | RCXB1X | BELL HOUSING                        | ALUMINUM  |
|                        | 7RXB1X | LUBRICANTS, TRANSMISSION            | SYNTHETIC OIL IN TRANSMISSION   |
|                        | 139AA2 | TRANSMISSION OIL COOLER             | TRANS OIL COOLER (INTEGRAL OIL PUMP)  |

| FRONT AXLE EQUIPMENT |        |                              | DESCRIPTION   |
|----------------------|--------|------------------------------|---|
|                      | 240AA6 | FRONT AXLE                   | 12000# (5400 KG) MACK FXL12 STRAIGHT SPINDLE/UNITIZED BEARINGS          |
|                      | 244AB7 | SPRINGS - FRONT              | MACK TAPERLEAF 12000# (5400 KG) GROUND LOAD RATING (2 LEAF), EQUAL BIAS |
|                      | 2410A1 | FRONT AXLE BRAKES            | MERITOR "S" CAM TYPE 16.5" x 5" Q+                                      |
| S                    | U3XA1X | BRAKE, FRONT                 | CAST IRON   |
| 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                    | 245AA9 | STEERING                     | SHEPPARD SD110  |
| S                    | 7VXC1X | LUBRICANTS, FRONT AXLE       | PETROLEUM/SYNTHETIC (50/50) OIL FRONT AXLE                              |

# TECHNICAL SPECIFICATION *(cont.)*



| REAR AXLE EQUIPMENT |        |                                | DESCRIPTION   |
|---------------------|--------|--------------------------------|---|
| S                   | 268AB1 | REAR AXLE                      | 38000# (17200kg) MACK S38R FABRICATED STEEL HOUSING   |
| S                   | 6MAA1X | REAR AXLE CASING WIDTH         | W/O WIDE TRACK AXLE   |
| S                   | 018AA6 | CARRIER - REAR AXLE            | CRDP150/151 AVAILABLE WITH OPTIONAL DRIVER CONTROLLED INTERWHEEL DIFFERENTIAL LOCKS, SEE 254 SYMBOL |
|                     | TAXE6X | REAR AXLE RATIO                | 3.56 RATIO  |
| S                   | 1860G6 | REAR SUSPENSION                | SS38 MACK CAMELBACK MULTILEAF 38,000 lb, HEAVY DUTY   |
| S                   | GWXABX | BOGIE SPREAD, REAR             | 50" AXLE SPACING (BOGIE WHEELBASE)  |
| S                   | XYXB1X | TRANSVERSE TORQUE RODS, R SUSP | TRANSVERSE TORQUE ROD (REAR AXLE ONLY)  |
| S                   | 237037 | AUX.SPRING BRAKE QTY           | AUX SPRING BRAKE QTY, 4 CHAMBERS  |
| S                   | 253AA4 | BRAKES - REAR                  | MERITOR "S" CAM 16.5"x7" Q+ (Total for QTY = 2)   |
| S                   | U4XA1X | BRAKE, DRIVE, REAR             | CAST IRON   |
| S                   | U1AA1X | REAR BRAKE ADJ MANUFACTURE     | HALDEX - AUTOMATIC (Total for QTY = 2)  |
|                     | V1AB1X | REAR BRAKE CHAMBER 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                            |
| S                   | 300AB8 | PARKING BRAKE CHAMBER          | MGM TR3030LP3THD BRAKE CHAMBERS (Total for QTY = 2)   |
| S                   | 0LXI5X | HUB MATERIAL, DRIVE            | IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT   |
| S                   | 3LAC1X | POWER DIVIDER LOCKOUT          | POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT   |
| S                   | 7WXA1X | LUBRICANTS, REAR AXLE(s)       | FACTORY OPTION LUBE - REAR AXLE 80W-90  |
|                     | 698058 | ANTILOCK BRAKE SYSTEM          | BENDIX WITHOUT TRACTION CONTROL 4S4M  |
| S                   | URXD1X | BRAKE VALVE VERSION            | BENDIX SWITCHES AND VALVES WHERE POSSIBLE   |

| FRAME EQUIPMENT/FUEL TANKS |        |                                | DESCRIPTION  |
|----------------------------|--------|--------------------------------|--|
|                            | 271183 | WHEELBASE                      | 183"   |
|                            | 374073 | AF (OVERHANG)                  | 73"  |
| S                          | MCE05E | FRAME RAILS & LINERS           | 8 x 90 x 300mm - (0.31" x 3.54" x 11.81"); RBM 2,120,000 LB-IN |
| S                          | A0XH1X | FRONT FRAME LENGTH             | FRONT FRAME LENGTH 725MM                                       |
| S                          | 281AA5 | CROSSMEMBERS                   | BOC AND INTERMEDIATE(S) STEEL HD BACK-TO-BACK CHANNEL          |
| S                          | Q5AA1X | REAR CROSSMEMBER OPTIONS       | STEEL CLOSING REAR CROSSMEMBER                                 |
| S                          | X6XA1X | REAR FRAME TREATMENT           | WITHOUT TAPERED FRAME RAIL ENDS                                |
|                            | 4DXA6X | FRONT BUMPER                   | FLUSH-PAINTED STEEL  |
| S                          | 4ZAAAX | CROSSMEMBER, BOGIE TYPE        | BASIC SOLUTION TRUNNION BRACKET, STD HEIGHT                    |
|                            | 4EXF1X | TOWING DEVICE, FRONT           | (2) CLEVIS   |
| S                          | 2RAA1X | FUEL LEVEL SENDER UNIT, LIQUID | BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK                    |
| S                          | 288AF2 | FUEL TANK - LH                 | 66 GALLON (250 L) 22" ALUMINUM, SLEEVED D-SHAPED               |
| S                          | 290AA1 | FUEL TANK - RH                 | W/O RH FUEL TANK   |
| S                          | JHXB1X | FUEL HOSES, LIQUID             | BRAIDED HOSE   |
| S                          | 8520C2 | FUEL FILLER NECK OPTIONS       | WITHOUT FILLER NECK SCREEN, WITH NON-LOCKABLE FUEL TANK CAP    |
|                            | 12AA1X | FUEL LINE OPTIONS, LIQUID      | W/O FUEL LINE OPTION   |
| S                          | Q2AA1X | CAB INSTEP VERSION             | STANDARD 2 STEP CAB ACCESS                                     |

| AIR/BRAKE |        |                         | DESCRIPTION                                |
|-----------|--------|-------------------------|--|
| S         | UWXC1X | AIRTANK DRAIN VALVE     | MANUAL (PETCOCK) DRAIN VALVES ON ALL TANKS |
| S         | U2XB1X | AIRTANK MATERIAL        | STEEL AIR TANK PAINTED CHASSIS COLOR       |
| S         | 141AA1 | RELOCATE AIR RESERVOIRS | W/O RELOCATED AIR TANKS                    |
| S         | 1JAAAX | PARKING BRAKE VALVE     | SINGLE VALVE SYSTEM                        |

# TECHNICAL SPECIFICATION *(cont.)*



| ELECTRICAL |        |                              | DESCRIPTION  |
|------------|--------|------------------------------|--|
| S          | 3120A2 | ROOF & SIDE MARKER LIGHTS    | (5) TRUCKLITE CHROME BULLET ROOF MARKER & STANDARD MARKER / DIRECTIONAL SIGNAL |
| S          | LSXJ7X | DAYTIME RUNNING LIGHTS       | W/OVERRIDE SWITCH, PARK BRAKE & ENGINE RUNNING ACTIVATED                       |
| S          | X2AA1X | DRL OVERRIDE SPEED THRESHOLD | DRL OVERRIDE SPEED THRESHOLD 8 KMPH (5 MPH)                                    |
| S          | NEXC1X | TAIL LAMPS                   | INCANDESCENT TAIL LAMPS  |

| PTO |        |                                | DESCRIPTION                   |
|-----|--------|--------------------------------|-------------------------------|
| S   | 2WAZ1X | PTO TRANS NEUTRAL CONTRL CHECK | W/O NEUTRAL CONTROL           |
| S   | B83083 | BODY BUILDER INTERFACE         | BODY LINK III W/CAB PASS-THRU |

| SPECIALTY EQUIPMENT |        |                           | DESCRIPTION                 |
|---------------------|--------|---------------------------|-----------------------------|
| S                   | MCQ01Q | LANE SUPPORT SYSTEM (LSS) | WITHOUT LANE SUPPORT SYSTEM |
| S                   | 2PEZ1X | DATA CAPTURE              | WITHOUT DATA CAPTURE        |
| S                   | 1PAZ1X | CAMERA, SURVEILLANCE      | WITHOUT CAMERA              |

| CAB INTERIOR (A THRU G) |        |                                       | DESCRIPTION  |
|-------------------------|--------|---------------------------------------|--|
| S                       | 198048 | GAUGES - UNIT OF MEASURE              | U.S. UNITS (PREDOMINANT)                                     |
|                         | E1AAAX | GAUGE OIL TEMP-REAR AXLE              | REAR AXLE OIL TEMP GAUGE IN DID (DRIVER INFORMATION DISPLAY) |
| S                       | 173AA5 | AIR CONDITIONING/HEATER               | BLEND AIR HVAC W/"ATC" TEMP REGULATION                       |
| S                       | EEXA1X | CUPHOLDER                             | CUPHOLDER  |
| S                       | 10XAHX | DOME LAMP, INTERIOR                   | (4) DOME LAMPS - DOOR AND SWITCH ACTIVATED                   |
| S                       | 3XAA1X | DASH INDICATOR - LAMP BODY OUT OF POS | DASH MTD, INDICATOR BODY/HOIST UP "BODYBUILDER LAMP"         |
| S                       | V8DZ1X | CARBON MONOXIDE DETECTION SYS         | WITHOUT CARBON MONOXIDE DETECTION SYSTEM                     |
| S                       | 184AA2 | FLOOR COVERING                        | POLYURETHANE FLOOR MAT WITHOUT REMOVABLE INSERTS             |

| CAB INTERIOR (H THRU R) |        |                               | DESCRIPTION  |
|-------------------------|--------|-------------------------------|--|
| S                       | C52082 | INSTMTNT CLUSTER LANGUAGE     | DEFAULT: ENGLISH, SPANISH, FRENCH  |
| S                       | 20XA1X | KEY TYPES FOR DOORS           | ALL CHASSIS KEYED AT RANDOM  |
| S                       | 13AA1X | DOOR OPENING OPTIONS          | W/O ELECTRONIC KEYLESS ENTRY   |
| S                       | E3XD1X | FORWARD OVERHEAD STORAGE      | (2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING FOR CB PROVISIONS |
| S                       | 1WAB1X | POWER LEADS                   | POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE               |
|                         | 5CXAEX | AUDIO SPEAKER LOCATION        | SPEAKER LOCATION, BEHIND DOORS, MIDDLE HIGH SIDE PANEL                         |
| S                       | 5JXAIX | COM.RADIO PREP KIT (CB)       | CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE                              |
| S                       | 21XA1X | AUXILIARY REAR WINDOW         | REAR WINDOW (FIXED TYPE)   |
| S                       | IFXB1X | REAR WALL STORAGE COMPARTMENT | STORAGE POUCH REAR   |

| CAB INTERIOR (S THRU Z) |        |                          | DESCRIPTION  |
|-------------------------|--------|--------------------------|--|
| S                       | 004014 | INTERIOR TRIM LEVELS     | STANDARD PACKAGE, STEEL GRAY (Package 11A)                   |
| S                       | 196AAA | SEAT - DRIVER'S          | MACK-AIR, HIGH BACK, 1 CHAMBER AIR LUMBAR                    |
| S                       | MAPB2X | SEAT COVERING - DRIVER'S | DRIVER'S SEAT - STEEL GREY VINYL                             |
|                         | 592082 | SEAT BELT(S)             | LAP & SHOULDER (DRIVER'S SEAT ONLY)                          |
| S                       | 2QAA1X | IGNITION TYPE            | KEY TYPE   |
| S                       | 161005 | STEERING WHEEL           | 2 SPOKE URETHANE GRIP, GUNMETAL SPOKES, W/O SWITCHES         |
| S                       | WSXBAX | WINDSHIELD TYPE          | TWO PIECE WINDSHIELD   |
| S                       | 145AA1 | CAB GLASS                | TINTED WINDSHIELD & SIDE WINDOWS & REAR WINDOW (IF EQUIPPED) |



# TECHNICAL SPECIFICATION *(cont.)*



| CAB INTERIOR (S THRU Z) |        |                           | DESCRIPTION                                   |
|-------------------------|--------|---------------------------|---|
| S                       | JQXAAX | WASHER RESERVOIR POSITION | W/O WINDSHIELD WASHER OPTION                  |
| S                       | 148AA3 | WINDSHIELD WIPERS         | 2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE |

| CAB EXTERIOR |        |                                   | DESCRIPTION   |
|--------------|--------|-----------------------------------|---|
| S            | MCY02Y | HOOD LATCH TYPE & FINISH          | STRAP TYPE HOOD LATCH WITH BLACK FINISH   |
| S            | MCG0CG | EXTERIOR TRIM FINISH AND PACKAGES | GRANITE GRAY AIR INTAKE   |
| S            | 400AA4 | GRILLE                            | SILVER PAINTED W/O GRILLE SURROUND  |
| S            | MCD03D | PASSENGER SIDE VISIBILITY OPTIONS | AUXILIARY WINDOW IN RH DOOR   |
| S            | 5870G7 | GRAB HANDLES                      | PREMIUM BLACK EXTERIOR CAB GRAB HANDLE, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST |
| S            | 154AA2 | HORN - AIR                        | (1) MACK RECTANGULAR SINGLE TRUMPET   |
| S            | LXXC1X | HORN - ELECTRICAL                 | SINGLE TONE   |
| S            | 1520B2 | MIRRORS - EXTERIOR                | FLAT MIRROR - POLISHED ALUMINUM FINSH, W/O LAMPS                                      |
| S            | 153AA2 | MIRRORS - CONVEX TYPE CAB DOORS   | BRIGHT FINISH, LH & RH, 8" DIAMETER CONVEX  |

| AERODYNAMIC DEVICES |        |                                   | DESCRIPTION                        |
|---------------------|--------|-----------------------------------|------------------------------------|
| S                   | 159AA1 | CAB AERODYNAMIC PACKAGES          | WITHOUT CAB AERODYNAMIC DEVICES    |
| S                   | MCM998 | FRONT CHASSIS AERODYNAMIC PACKAGE | WITHOUT FRONT AERODYNAMIC FAIRINGS |

| WHEELS & TIRES |        |                             | DESCRIPTION   |
|----------------|--------|-----------------------------|---|
|                | 900AS0 | TIRES BRAND/TYPE - FRONT    | 11R22.5 G BRIDGESTONE R268 ECOPIA (12350 lbs) (Total for QTY = 2)                                   |
|                | 5312F1 | WHEELS - FRONT              | 22.5x8.25 ACCURIDE ACCU-LITE WHITE POWDER COAT STEEL, 6.60" OFFSET, 2 HAND HOLE (Total for QTY = 2) |
| S              | 901601 | TIRES BRAND/TYPE - REAR     | 11R22.5 G BRIDGESTONE M713 ECOPIA (23360 lbs) (DRIVE ONLY) (Total for QTY = 8)                      |
| S              | 3462J6 | WHEELS - REAR               | 22.5x8.25 ACCURIDE ACCU-LITE WHITE POWDER COAT STEEL, 6.60" OFFSET, 5 HAND HOLE (Total for QTY = 8) |
| S              | H1EB1X | DRIVE WHEEL STUDS           | DRIVE WHEEL STUDS LONGER LENGTH   |
| S              | 15XABX | TIRE INFLATION VALVE        | STANDARD VALVE STEMS AND CAPS   |
| S              | MCH03H | FRONT HUB/WHEEL TRIM        | WITHOUT FRONT HUB/WHEEL TRIM  |
| S              | MCI03I | REAR HUB/WHEEL TRIM         | WITHOUT REAR HUB/WHEEL TRIM (Total for QTY = 2)   |
| S              | 80AA1X | WHEEL NUT & FINISH, FRONT   | WHEEL NUT BASIC FINISH, FRONT   |
| S              | 3PBA1X | WHEEL NUT FINISH, REAR (CA) | WHEEL NUT BASIC FINISH, REAR  |

| COMMUNICATION SYSTEMS |        |  | DESCRIPTION  |
|-----------------------|--------|--|--|
| S                     | 3YAA1X | CO-PILOT - DISPLAY FEATURES ACCESS LEVEL | CO-PILOT DISPLAY, DRIVER ACCESS LEVEL 1                                  |
| S                     | M30060 | TELEMATIC GATEWAY                        | TELEMATICS GATEWAY (P2), 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES |

| ENGINE ELECTRONICS |        |                                   | DESCRIPTION                                   |
|--------------------|--------|-----------------------------------|---|
| S                  | WOXA1X | OIL PRESSURE, ENGINE SHUTDOWN     | OIL PRESSURE, ENGINE SHUTDOWN                 |
| S                  | WMXA1X | COOLANT TEMP, ENGINE SHUTDOWN     | COOLANT TEMP, ENGINE SHUTDOWN                 |
| S                  | K5XA2X | ENGINE PROTECTION SYSTEM          | ENGINE PROTECTION (SHUTDOWN)                  |
|                    | C7AABX | ENG FAN CNTL, A/C ON, TIME SET    | ENG FAN CONTROL, A/C ON, TIME SETTING, 60 SEC |
| 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                  |

PRICELIST DATE

20220103

QUOTATION

SHEA2022000085C697

DATE

3/17/2022

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# TECHNICAL SPECIFICATION *(cont.)*



| ENGINE ELECTRONICS |        |                                | DESCRIPTION   |
|--------------------|--------|--------------------------------|---|
| 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                  | M4CB1X | IDLE S/D OVERRIDE %ENGINE LOAD | IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD     |
| S                  | D2AAFX | AMBIENT TEMP MIN TRESHOLD      | AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 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                  | B6ABAX | EL HAND THROTTLE,MAX ENG SPEED | ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 1000 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                        | 779001 | TRANSMISSION ELECTRONICS PACKAGE            | W/O ELEC TRANS PACKAGE OPTION (all non-Allison transmissions) |
| S                        | MAV01V | TRANSMISSION ELECTRONIC SHIFTING PROPERTIES | W/O ALLISON FUELSense 2.0 PROGRAMMING                         |

| VEHICLE ELECTRONICS |        |                                | DESCRIPTION  |
|---------------------|--------|--------------------------------|--|
| S                   | JCX6X  | ROAD SPEED LIMITER SETTING     | 105 KM/H ROAD SPEED LIMITER(65 MPH)                          |
| S                   | Y3CC1X | PEDAL RSL SETTING              | 101 KM/H PEDAL ROAD SPEED LIMITER (63MPH)                    |
| 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                   | E4AAAX | CRUISE RESUME WITH CLUTCH      | CRUISE RESUME WITH CLUTCH                                    |
|                     | L2CB1X | PDLO ENGAGED VLS               | POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 24KMH (15MPH) |
| S                   | W5BA1X | MAXIMUM ENG SPEED AT 0 MPH     | 1000 MAXIMUM ENGINE SPEED AT 0 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                   | X3CB1X | DRIVER ID FUNCTION             | DRIVER ID FUNCTION, DISABLED                                 |
| S                   | 0PAZ1X | DR PERFORMANCE PARAMETERS      | WITHOUT DRIVER PERFORMANCE PARAMETERS                        |
| 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                        |

| 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               | 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)   |

PRICELIST DATE

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QUOTATION

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DATE

3/17/2022

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# TECHNICAL SPECIFICATION *(cont.)*



| PTO ELECTRONICS |        |                               | DESCRIPTION                                |
|-----------------|--------|-------------------------------|--|
| 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     |

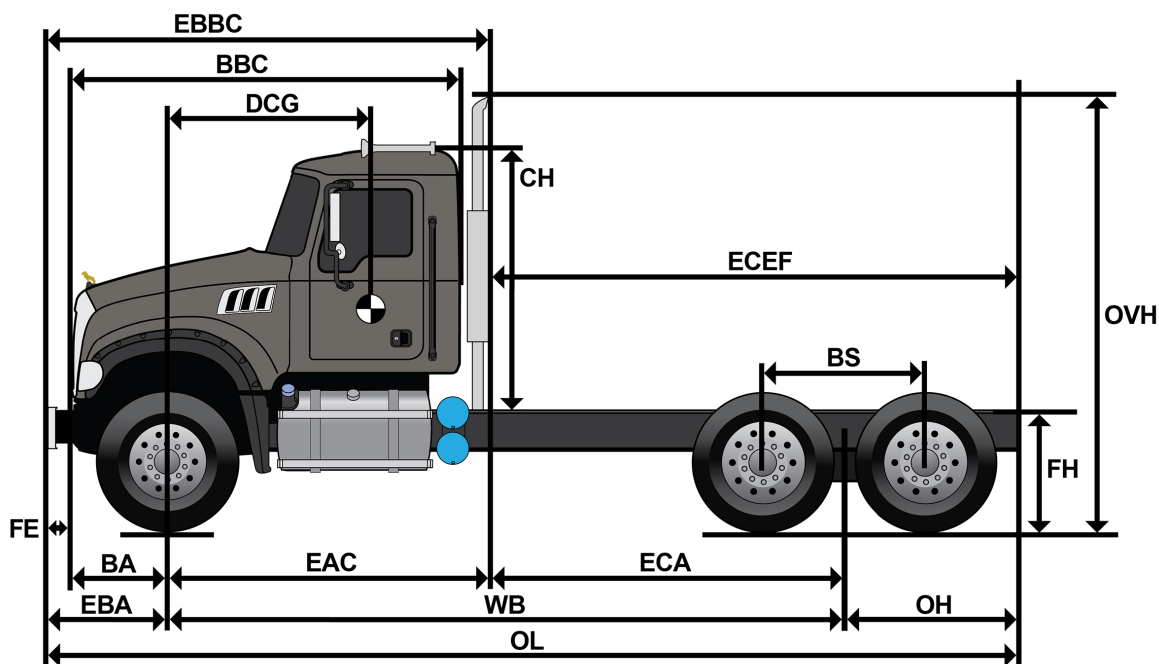
| PAINT |        |  | DESCRIPTION                                     |
|-------|--------|--|---|
| S     | 950AD0 | PAINT DESIGN   | SINGLE COLOR                                    |
| S     | 924014 | PAINT TYPE   | SOLID PAINT                                     |
| S     | 944AA7 | PAINT COLOR - 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     | 996AA3 | PAINT - CAB PAINT SYSTEM   | PAINT - CAB, URETHANE CLEAR COAT                |
| S     | MPB944 | CAB COLOR  | SAME AS FIRST COLOR - CAB                       |
| S     | MPD944 | HOOD COLOR   | SAME AS FIRST COLOR - HOOD                      |
| S     | MPC998 | SLEEPER ROOF COLOR   | WITHOUT SLEEPER ROOF COLOR                      |
| S     | MPA998 | ROOF FAIRING COLOR   | WITHOUT ROOF FAIRING                            |
| S     | 951AA6 | CHASSIS RUNNING GEAR   | MACK BLACK (URETHANE); P3036                    |
| 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                      |
|                        | D5EA1X | AUTO ROUTING & CLIPPING, CENTER | AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION |

| 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) |
|                                     | M54094 | TRANSMISSION WARRANTY                             | 36/350K MI: EATON TRANSMISSION STANDARD NORMAL AND HEAVY DUTY COVERAGE                           |
| 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                                   | 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                                   |

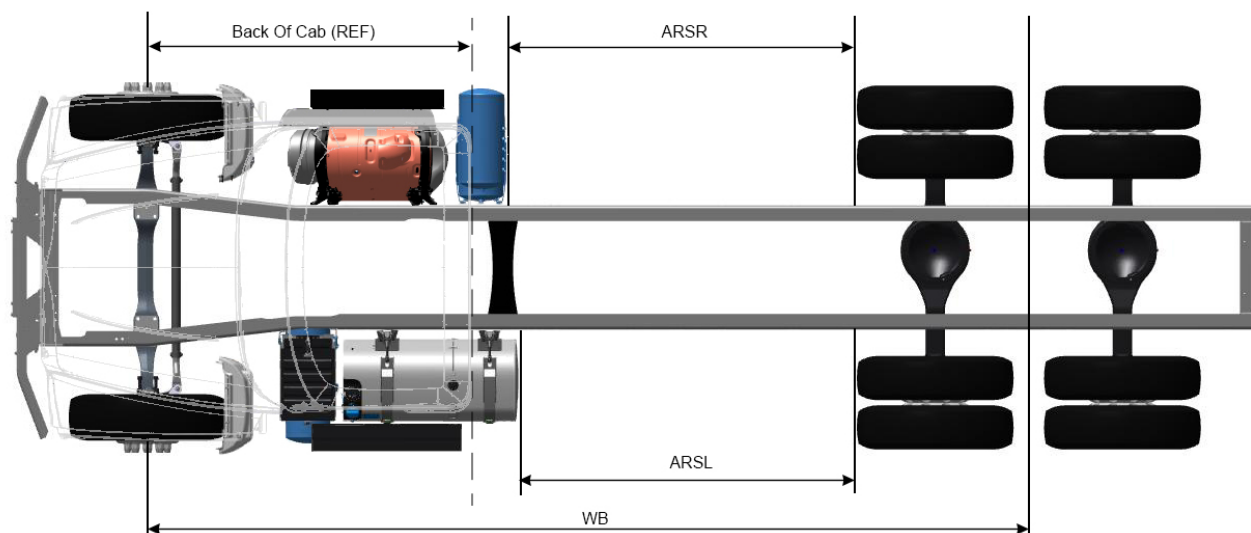


| VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY |            |         |        |        |
|--|------------|---------|--------|--------|
| Description  | Sales Code | Dwg Ref | Length | UOM    |
| Front Frame Extension                                | N/A        | FE      | 0.0    | INCHES |
| Bumper to Front Axle                                 | N/A        | BA      | 29.0   | INCHES |
| Wheelbase  | N/A        | WB      | 182.9  | INCHES |
| Rear Overhang  | N/A        | OH      | 73.2   | INCHES |
| Overall Length                                       | N/A        | OL      | 285.1  | INCHES |
| Bumper to Back of Cab                                | N/A        | BBC     | 116.5  | INCHES |
| Eff. Bumper to Back of Cab                           | N/A        | EBBC    | 128.0  | INCHES |
| Eff. Cab to Rear Axle                                | N/A        | ECA     | 83.9   | INCHES |
| Eff. Front Axle to Back of Cab                       | N/A        | EAC     | 99.0   | INCHES |
| Eff. Cab to End of Frame                             | N/A        | ECEF    | 157.1  | INCHES |
| Unladen 5th Wheel Height                             | E5BZ1X     | 5W      | 0.0    | INCHES |
| Unladen Frame Height                                 | N/A        | FH      | 43.3   | INCHES |
| Cab Height   | N/A        | CH      | 70.9   | INCHES |
| Overall Height                                       | N/A        | OVH     | 141.3  | INCHES |
| Driver CG  | N/A        | DCG     | 70.9   | INCHES |
| 50" AXLE SPACING (BOGIE WHEELBASE)                   | GWXABX     | BS      | 50.0   | INCHES |
| Second Front Axle Spacing                            | RHXZ1X     | SFAS    | 0.0    | INCHES |



# VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

| Description   | Sales Code      | Dwg Ref | Left Value(in) | Right Value(in) |
|---|-----------------|---------|----------------|-----------------|
| Wheelbase   | N/A             | WB      | 182.9          | 182.9           |
| Available Rail Space Right  | N/A             | ARSR    | N/A            | 53.6            |
| Available Rail Space Left   | N/A             | ARSL    | 34.5           | N/A             |
| Eff. Front Axle to Back of Cab                                      | N/A             | REF     | 99.0           | 99.0            |
| Front Axle To Fender  | CDX23X          | N/A     | 35.4           | 35.4            |
| Cleartech One Unit  | DPF04F          | N/A     | 0.0            | 48.0            |
| Battery Box   | 393AA2          | N/A     | 15.0           | 0.0             |
| 66 GALLON (250 L) 22" ALUMINUM, SLEEVED D-SHAPED / W/O RH FUEL TANK | 288AF2 / 290AA1 | N/A     | 44.6           | 0.0             |
| Ad-Blue Tank  | DF1001          | N/A     | 7.5            | 0.0             |
| Drive Tire Radius   | 901601          | N/A     | 20.9           | 20.9            |



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                         | E5BZ1X     |         | 0.0     | 0.0   | INCHES |
| Tire Radius  | 901601     | A       | 20.9    | 19.4  | INCHES |
| Suspension Height                                    | 1860G6     | B       | 10.6    | 9.2   | INCHES |
| Frame Depth  | YBXGAX     | C       | 11.8    | 11.8  | INCHES |
| Closest Available Fifth Wheel Leg Height             | N/A        | D       | 0.0     | 0.0   | INCHES |
| Total Height   | N/A        | E       | 43.3    | 40.4  | INCHES |





| VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY |            |   |       |     |
|--|------------|---|-------|-----|
| Sub-Category   | Sales Code | Sales Code Description  | Value | UOM |
| Front Axle   | 240AA6     | 12000# (5400 KG) MACK FXL12 STRAIGHT SPINDLE/UNITIZED BEARINGS                  | 12000 | LB  |
| Front Suspension                                     | 244AB7     | MACK TAPERLEAF 12000# (5400 KG) GROUND LOAD RATING (2 LEAF), EQUAL BIAS         | 12001 | LB  |
| Front Tires  | 900AS0     | 11R22.5 G BRIDGESTONE R268 ECOPIA (12350 lbs)                                   | 12351 | LB  |
| Front Wheels   | 5312F1     | 22.5x8.25 ACCURIDE ACCU-LITE WHITE POWDER COAT STEEL, 6.60" OFFSET, 2 HAND HOLE | 14800 | LB  |
| Front GAWR   |            |   | 12000 | LB  |
| Rear Axle  | 268AB1     | 38000# (17200kg) MACK S38R FABRICATED STEEL HOUSING                             | 38000 | LB  |
| Rear Suspension                                      | 1860G6     | SS38 MACK CAMELBACK MULTILEAF 38,000 lb, HEAVY DUTY                             | 38000 | LB  |
| Rear Tires   | 901601     | 11R22.5 G BRIDGESTONE M713 ECOPIA (23360 lbs) (DRIVE ONLY)                      | 46721 | LB  |
| Rear Wheels  | 3462J6     | 22.5x8.25 ACCURIDE ACCU-LITE WHITE POWDER COAT STEEL, 6.60" OFFSET, 5 HAND HOLE | 59199 | LB  |
| Rear GAWR  |            |   | 38000 | LB  |
| Truck GVWR   |            |   | 50000 | LB  |
| Gross Combination Weight Rating                      |            |   | 0     | LB  |
| Tax Value GVWR (USA FET Only)                        |            |   | 50000 | LB  |



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