

TECHNICAL SPECIFICATION

TERRAPRO 64R



| | | | | WEIGHT (LB) | |
|-----------------------|--------|------------------------------------|---|-------------|-------|
| CUSTOMER/VEHICLE INFO | | DESCRIPTION | | FRONT | REAR |
| S | 002A02 | CHASSIS (BASE MODEL) | TERRAPRO 64R DAYCAB | 4,253 | 3,083 |
| 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 |
| 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 |
| | 0050V5 | VEHICLE USE & BODY/TRAILER TYPE | REFUSE REAR LOADER TRUCK | 0 | 0 |
| S | 032A39 | OPERATING TERRAIN GRADE CONDITIONS | NORMAL HIGHWAY, STARTING GRADES<12% | 0 | 0 |
| S | 033A10 | LOADING SURFACE FACTOR | CONCRETE LOADING AND / OR UNLOADING SURFACE | 0 | 0 |
| | 0342A4 | VEHICLE VOCATION | REFUSE / LANDFILL OPERATION | 0 | 0 |

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|----------------------|--------|----------------------------|---|-------------|------|
| ENGINE/TRANSMISSIONS | | DESCRIPTION | | FRONT | REAR |
| S | 1004Q0 | ENGINE PACKAGE, COMBUSTION | MP7-355C MACK 355HP @ 1600-1800 RPM (PEAK) 2100 RPM (GOV) 1250 LB-FT, US'21 | 2,633 | 139 |
| | 136AE0 | TRANSMISSION | FULLER RTO-16908LL (14.56/0.74) | 605 | 201 |

| | | | | WEIGHT (LB) | |
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| EXHAUST/EMISSIONS | | DESCRIPTION | | FRONT | REAR |
| | CIRAA2 | CARB 2008 IDLE REGULATION | IDLE EMISSION CERTIFICATION, BASIC | 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 SYSTEM MATERIAL 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 |
| | 78ADCX | EMISSION ON BOARD DIAG CONTROL | EMISSION OBD, DISPLAY ONLY, USA2023 | 0 | 0 |

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| ENGINE EQUIPMENT | | DESCRIPTION | | FRONT | REAR |
| S | 1250C5 | AIR CLEANER | 13" SINGLE ELEMENT, DRY TYPE W/SNORKEL BEHIND CAB, AIR RESTRICTION INDICATOR ON FILTER | 0 | 0 |
| S | H8XZ1X | WINTERFRONT | W/O BUG SCREEN/WINTER FRONT | -8 | 3 |
| S | 113093 | AIR COMPRESSOR/DRYER | WABCO 1800P AIR DRYER W/O TURBO CUT OFF VALVE, W/ WABCO 636 (37.4 CFM) AIR COMPRESSOR | 0 | 0 |
| S | KOXA1X | AIR DRYER POSITION (CA) | AIR DRYER POSITION STANDARD | 0 | 0 |
| S | 132AB9 | ALTERNATOR | DELCO 12V 160A (28SI) BRUSH-TYPE | 16 | 0 |
| S | 316AA6 | BATTERIES | (3) MACK 12V 650/1950 CCA THREADED STUD TYPE | 0 | 0 |
| S | 393AD9 | BATTERY BOX - MOUNTING (x) | PERPENDICULAR TO FRAME 11" FROM NTOF (3 BATTERY MAX) | 0 | 0 |
| S | L5XA1X | BATTERY BOX COVER | MOLDED PLASTIC | 0 | 0 |

TECHNICAL SPECIFICATION *(cont.)*



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| ENGINE EQUIPMENT | | DESCRIPTION | | FRONT | REAR |
| S | NCXA5X | STARTER MOTOR | 12 VOLT DELCO 39MT-MXT | 31 | 0 |
| | 110AA5 | ENGINE BRAKE | MACK MP7 POWERLEASH | 36 | 5 |
| S | 118AB8 | FAN DRIVE | BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE | 0 | 0 |
| S | 119AI9 | COOLANT PROTECTION | ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER | 0 | 0 |
| S | 508018 | COOLING PERFORMANCE | W/O AUXILIARY COOLING | 0 | 0 |
| S | 124AA2 | HOSES - RADIATOR/HEATER | SILICONE RADIATOR AND HEATER HOSES | 0 | 0 |
| S | 293043 | FUEL-WATER SEPARATOR | MACK W/MANUAL DRAIN VALVE V2 (INTEGRAL W/ PRIMARY FUEL FILTER) | 0 | 0 |
| S | QHXC1X | OIL SUMP | OIL PAN | 0 | 0 |
| S | MCA04A | ENGINE HEATERS | 120v 1500w BLOCK HEATER ONLY (120V-15A PLUG) | 0 | 0 |
| | 5NXA1X | ENGINE BLOCK HEATER | 120V 1500W ENGINE BLOCK HEATER | 5 | 0 |
| S | 4TBA1X | ENGINE BLOCK HEATER RECEPTACLE (CA) | ENGINE BLOCK HEATER RECEPTACLE, BASIC LOCATION | 0 | 0 |

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| CLUTCH/TRANS EQUIPMENT | | DESCRIPTION | | FRONT | REAR |
| | 133AD1 | CLUTCH | EATON ADVANTAGE EZ-PEDAL 9-SPRING,2PLATE 15.5" CERAMIC 6 PADDLES, MANUAL ADJUST | 0 | 0 |
| | MCB02B | CLUTCH ACTUATION SYSTEM & PEDAL PAD | MECHANICAL CLUTCH CABLE SYSTEM WITH OPEN GRATE PEDAL | 0 | 0 |
| S | 195AB0 | DRIVELINE - MAIN | MERITOR 18 MXL "XTENDED LUBE" (PROPS-L) | 9 | 9 |
| S | 204AA5 | DRIVELINE - INTERAXLE | MERITOR 17 MXL "XTENDED LUBE" | 0 | 0 |
| S | 76AA1X | PROPELLR SHAFT MAIN, UNVSL JNT | UNIVERSAL JOINT HALF-ROUND TYPE | 0 | 0 |
| S | 8WAAAX | PROP SHAFT INTERAXL UNIV JOINT | HALF-ROUND UNIVERSAL JOINT | 0 | 0 |
| | 7RXB1X | LUBRICANTS, TRANSMISSION | SYNTHETIC OIL IN TRANSMISSION | 0 | 0 |
| | 139AA2 | TRANSMISSION OIL COOLER | TRANS OIL COOLER (INTEGRAL OIL PUMP) | 45 | 3 |

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| FRONT AXLE EQUIPMENT | | DESCRIPTION | | FRONT | REAR |
| | 240AA7 | FRONT AXLE | 14600# (6600 KG) MACK FXL14.6 STRAIGHT SPINDLE/UNITIZED BEARINGS | 0 | 0 |
| | 244AC7 | SPRINGS - FRONT | MACK MULTILEAF 14600# (6600 KG) GROUND LOAD RATING, EQUAL BIAS | 0 | 0 |
| | 2410A1 | FRONT AXLE BRAKES | MERITOR "S" CAM TYPE 16.5" x 5" Q+ | 12 | 0 |
| S | U0AA1X | FRONT BRAKE ADJ. MANUFACTURE | HALDEX - AUTOMATIC | 0 | 0 |
| S | V7AD1X | FRONT BRAKE CHAMBER MFG. | FRONT BRAKE CHAMBER MANUFACTURER, MGM | 0 | 0 |
| S | 0KXA1X | HUB MATERIAL, FRONT | FERROUS | 0 | 0 |
| S | 1KAA1X | SHOCK ABSORBER, FRONT | DOUBLE ACTING TYPE | 20 | 0 |
| | 245AA7 | STEERING | SHEPPARD M100P POWER | 75 | 0 |
| S | K9AZ1X | POWER STEERING, COOLER | WITHOUT POWER STEERING, COOLER | 0 | 0 |

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| REAR AXLE EQUIPMENT | | DESCRIPTION | | FRONT | REAR |
| S | 268AA9 | REAR AXLE | 46000# (20900kg) MACK S462R CAST DUCTILE 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 |

TECHNICAL SPECIFICATION *(cont.)*



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| REAR AXLE EQUIPMENT | | DESCRIPTION | FRONT | REAR | | | |
| S | 018AA6 | CARRIER - REAR AXLE | CRDP150/151 AVAILABLE WITH OPTIONAL DRIVER CONTROLLED INTERWHEEL DIFFERENTIAL LOCKS, SEE 254 SYMBOL | | | 0 | 0 |
| | TAXAVX | REAR AXLE RATIO | 3.79 RATIO | | | 0 | 0 |
| S | 1860J6 | REAR SUSPENSION | SS46 MACK CAMELBACK MULTILEAF 46,000 lb, STANDARD DUTY | | | 0 | 1,930 |
| | 402AA1 | SPRINGS - ANTI-SWAY | W/O ANTI-SWAY | | | 0 | -103 |
| | XZXA1X | REAR SUSP. BEAM BUSHINGS | BRONZE | | | 0 | 36 |
| S | GWXABX | BOGIE SPREAD, REAR | 50" AXLE SPACING (BOGIE WHEELBASE) | | | 0 | 0 |
| | 2AAABX | REAR SPRING INSULATOR MAT'L | URETHANE SHOCK INSULATORS, HEAVY DUTY, HIGHLY RECOMMENDED W/SS582 & SS652 REAR SUSP | | | 0 | 5 |
| S | XYXZ1X | TRANSVERSE TORQUE RODS, R SUSP | WITHOUT TRANSVERSE TORQUE RODS | | | 0 | -66 |
| S | 253AA4 | BRAKES - REAR | MERITOR "S" CAM 16.5"x7" Q+ (Total for QTY = 2) | | | 0 | -35 |
| S | U4XA1X | BRAKE, DRIVE, REAR | CAST IRON | | | 0 | 0 |
| S | U1AA1X | REAR BRAKE ADJ MANUFACTURE | HALDEX - AUTOMATIC | | | 0 | 0 |
| | V1AB1X | REAR BRAKE CHAMBER SIZE | REAR SPRING BRAKE CHAMBERS 30/30 TYPE | | | 0 | 0 |
| | N5FAJX | BRAKE ORI REAR-MOST DRIVE AXLE | DRUM BRAKE CHAMBER ORIENTATION: High Mount - Rear of Axle - Chamber Down | | | 0 | 0 |
| S | 300AB8 | PARKING BRAKE CHAMBER | MGM TR3030LP3THD BRAKE CHAMBERS (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 | HUB MATERIAL, DRIVE | IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT | | | 0 | 0 |
| S | 3LAC1X | POWER DIVIDER LOCKOUT | POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT | | | 0 | 40 |
| S | 698058 | ANTILOCK BRAKE SYSTEM | BENDIX WITHOUT TRACTION CONTROL 4S4M | | | 0 | 0 |

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| FRAME EQUIPMENT/FUEL TANKS | | DESCRIPTION | FRONT | REAR | | | |
| | 271210 | WHEELBASE | 210" | | | -132 | -132 |
| | 374066 | AF (OVERHANG) | 66" | | | 9 | -61 |
| | MCE0KE | FRAME RAILS & LINERS | 9.5 x 82 x 340mm - (0.375" x 3.25" x 13.38"); RBM 2,037,600 LB-IN | | | 122 | 144 |
| S | A0XJ5X | FRONT FRAME LENGTH | FRONT FRAME LENGTH 1187MM | | | 36 | -4 |
| S | 281A1I | CROSSMEMBERS | STEEL 1/2" PL BOLTED BOC & INTERMDT 1/8" BELOW TOP OF RAIL | | | 0 | 0 |
| | 9DEZ1X | AUX CROSSM. IN REAR OVERH TYPE | WITHOUT AUXILIARY CROSSMEMBER | | | 0 | 0 |
| S | Q5AA1X | REAR CROSSMEMBER OPTIONS | STEEL CLOSING REAR CROSSMEMBER | | | -11 | 60 |
| S | 4DXM8X | FRONT BUMPER | EXTENDED-SWEPT BACK-STEEL (INCL. CENTER TOW PIN) N/A W/ FRONT FRAME EXT. | | | 0 | 0 |
| S | 2RAA2X | FUEL LEVEL SENDER UNIT, LIQUID | BASIC FUEL LEVEL SENDER MOUNTED ON R.H TANK | | | 0 | 0 |
| | 290AH1 | FUEL TANK - RH | 70 GALLON (265L) STEEL, 24" ROUND | | | 69 | 69 |
| S | JHXB1X | FUEL HOSES, LIQUID | BRAIDED HOSE | | | 0 | 0 |
| | HBXA1X | FUEL TANK POSITION (CA in PC28 only) | W/O RELOCATED FUEL TANK(S) | | | 0 | 0 |
| S | 852072 | FUEL FILLER NECK OPTIONS | FOR RH FUEL TANK | | | 0 | 0 |

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| AIR/BRAKE | | DESCRIPTION | FRONT | REAR | | | |
| S | UWXC1X | AIRTANK DRAIN VALVE | MANUAL (PETCOCK) DRAIN VALVES ON ALL TANKS | | | 0 | 0 |
| S | U2XB1X | AIRTANK MATERIAL | STEEL AIR TANK PAINTED CHASSIS COLOR | | | 0 | 0 |
| S | 1JAAAX | PARKING BRAKE VALVE | SINGLE VALVE SYSTEM | | | 0 | 0 |

TECHNICAL SPECIFICATION *(cont.)*



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| ELECTRICAL | | DESCRIPTION | | FRONT | REAR |
| S | 312022 | ROOF & SIDE MARKER LIGHTS | TRUCKLITE ROOF MARKER FOR TERRAPRO | 0 | 0 |
| S | LJXABX | HEADLAMP BULB TYPE | HEADLAMP BULB TYPE, HALOGEN | 0 | 0 |
| S | LSXG6X | DAYTIME RUNNING LIGHTS | PARK BRAKE ACTIVATED | 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 | FRONT & SIDE INDICATOR LMP TYP | FRONT AND SIDE DIRECTION IND & MARKER, LED TYPE | 3 | 0 |

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| PTO | | DESCRIPTION | | FRONT | REAR |
| S | L3XN1X | BODY BUILDER MODULE | ControlLink III BODY BUILDER EL PREP KIT, REFUSE, RP170 ELECT. INTERFACE (3 CON 54 PINS) | 0 | 0 |

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| SPECIALTY EQUIPMENT | | DESCRIPTION | | FRONT | REAR |
| S | MCVZ1X | PASSIVE SAFETY SYSTEM | WITHOUT PASSIVE SAFETY SYSTEM | 0 | 0 |
| S | 8FXU1X | TRANSPORT ADAPTATION | UNIFORM LOAD NO ADAPTATION | 0 | 0 |

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| 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 |
| 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 |

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| CAB INTERIOR (H THRU R) | | DESCRIPTION | | FRONT | REAR |
| S | 6WXA1X | CENTER CONTROLE CONSOLE | CONSOLE INCLUDED WITH CONTROL LINK III | 0 | 0 |
| S | 20XA1X | KEY TYPES FOR DOORS | BASIC UNIQUE KEY | 0 | 0 |
| S | 2QAA1X | IGNITION TYPE | KEY TYPE | 0 | 0 |
| S | E3XG1X | FORWARD OVERHEAD STORAGE | FORWARD OVERHEAD STORAGE, RADIO SHELF, COVER, BLANK, BLANK | 0 | 0 |
| | 174AA1 | AUDIO ACCOMMODATION | W/O RADIO OR RADIO ACCOMMODATION PACKAGE | -6 | 0 |
| S | 1WAE1X | POWER LEADS | FURNISH IN OVERHEAD CONSOLE | 0 | 0 |

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| CAB INTERIOR (S THRU Z) | | DESCRIPTION | | FRONT | REAR |
| S | 196096 | SEAT - DRIVER'S | AIR-SEARS MID-BACK SEAT C-2 W/FABRIFORM CUSHIONS | 0 | 0 |
| | 1970G7 | SEAT - PASSENGER'S | MACK FIXED (MID-BACK) NON-SUSPENSION | 0 | 0 |
| | 4850U5 | SEAT COVERING | DRIVER FABRIFORM, CLOTH, BLACK; RIDER - CORDURA CLOTH, BLACK | 0 | 0 |
| S | 592072 | SEAT BELT(S) | LAP & SHOULDER (BOTH SEATS) (NOT AVAILABLE WITH EXTENDED RIDER SEAT) | 0 | 0 |
| S | 2WXAAX | STEERING WHEEL | DIAMETER 450MM STEERING WHEEL, RUBBER GRIP V1 | 0 | 0 |
| S | T2AA1X | WINDSHIELD PROTECTOR | FURNISH WINDSHIELD PROTECTOR | 16 | 0 |

TECHNICAL SPECIFICATION *(cont.)*



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| CAB INTERIOR (S THRU Z) | | | DESCRIPTION | FRONT | REAR |
| S | 87AA1X | WINDSHIELD WND DEFLECTOR (CA family in PC28 only) | FURNISH STANDARD FINISH | 0 | 0 |

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| CAB EXTERIOR | | | DESCRIPTION | FRONT | REAR |
| S | 28XF1X | FRONT GRILLE | GRAY HEADLIGHT, GRILL SURROUNDS WITH SATIN ACCENT GRILL (WHERE APPLICABLE) | 0 | 0 |
| S | 144AA2 | CAB | CA531 LOW-PROFILE COE (WELDED STEEL GALVANIZED SHELL) INCLUDES MACK RUST PREVENTATIVE PROCEDURES | 0 | 0 |
| S | 424034 | CAB DOOR OPTIONS | DOORS, COMPOSITE INCL SLIDING TYPE SIDE WINDOWS, SCREENED VENT IN LH DOOR, PEEP WINDOW IN RH DOOR | 0 | 0 |
| S | 2EXA1X | CAB TILT PUMP | LOCATED IN STD LOCATION | 0 | 0 |
| S | Q2AA1X | CAB INSTEP VERSION | 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 | CAB GRAB HANDLE | STANDARD GRAB HANDLE OPTION RH & LH, BEHIND DOOR | 0 | 0 |
| S | LXXD1X | HORN - ELECTRICAL | DUAL TONE | 5 | 0 |
| S | MCL03L | MIRRORS - LEFT SIDE EXTERIOR | LH POLISHED FLAT MANUALLY OPERATED, UN-HEATED, W/O CLOSE VIEW | 0 | 0 |
| S | MCR03R | MIRRORS - RIGHT SIDE EXTERIOR | RH POLISHED FLAT MANUALLY OPERATED, UN-HEATED, W/O CLOSE VIEW | 0 | 0 |

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| WHEELS & TIRES | | | DESCRIPTION | FRONT | REAR |
| | 9007L0 | TIRES BRAND/TYPE - FRONT | 11R22.5 H BRIDGESTONE R213 ECOPIA (13220 lbs) (Total for QTY = 2) | 234 | 0 |
| | 531251 | WHEELS - FRONT | 22.5x8.25 ACCURIDE HEAVY 28828x DUTY WHITE POWDER COAT STEEL, 6.62" OFFSET, 2 HAND HOLE (Total for QTY = 2) | 159 | 0 |
| S | FWT002 | FRONT AXLE TIRE & WHEEL QUANTITY | TWO FRONT TIRES & WHEELS | 0 | 0 |
| | 901761 | TIRES BRAND/TYPE - REAR | 11R22.5 G BRIDGESTONE R213 ECOPIA (23360 lbs) (Total for QTY = 8) | 0 | 935 |
| | 3462J6 | WHEELS - REAR | 22.5x8.25 ACCURIDE ACCU-LITE 51487x WHITE POWDER COAT STEEL, 6.60" OFFSET, 5 HAND HOLE (Total for QTY = 8) | 0 | 547 |
| S | RWT008 | REAR AXLE TIRE & WHEEL QUANTITY | EIGHT REAR AXLE TIRES & WHEELS | 0 | 0 |
| S | H1EB1X | DRIVE WHEEL STUDS | DRIVE WHEEL STUDS LONGER LENGTH | 0 | 0 |
| S | 15XABX | TIRE INFLATION VALVE | STANDARD VALVE STEMS AND CAPS | 0 | 0 |

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

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| ENGINE ELECTRONICS | | | DESCRIPTION | FRONT | REAR |
| S | WOXA1X | OIL PRESSURE, ENGINE SHUTDOWN | OIL PRESSURE, ENGINE SHUTDOWN | 0 | 0 |
| S | WMXA1X | COOLANT TEMP, ENGINE SHUTDOWN | COOLANT TEMP, ENGINE SHUTDOWN | 0 | 0 |
| S | K5XA2X | ENGINE PROTECTION SYSTEM | ENGINE PROTECTION (SHUTDOWN) | 0 | 0 |
| | K7XH3X | ENGINE IDLE CONTROL | IDLE CONTROL, 650 RPM | 0 | 0 |
| S | X0AB0X | SMART IDLE ELEVATED IDLE RPM TIME | INCREASE 10 MINUTE MAXIMUM TIME | 0 | 0 |

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| ENGINE ELECTRONICS | | DESCRIPTION | | FRONT | REAR |
| 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 | EL HD THROTTLE,MAX ROAD SPEED | ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH) | 0 | 0 |
| S | B6ACEX | EL HAND THROTTLE,MAX ENG SPEED | ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM | 0 | 0 |
| S | B4ADAX | EL HAND THROTTLE,MIN ENG SPEED | ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM | 0 | 0 |
| S | B9AABX | EL HD THROTTLE,SPEED RAMP RATE | ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC | 0 | 0 |

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| TRANSMISSION ELECTRONICS | | DESCRIPTION | | FRONT | REAR |
| S | M05015 | TRANSMISSION DRIVE MODE PACKAGES, mDRIVE | W/O TRANSMISSION SHIFT SETTINGS | 0 | 0 |
| S | 6SAZ1X | TRANSMISSION KICK-DOWN MODE | WITHOUT TRANSMISSION KICK-DOWN MODE | 0 | 0 |
| | 779001 | TRANSMISSION ELECTRONICS PACKAGE | W/O ELEC TRANS PACKAGE OPTION (all non-Allison transmissions) | 0 | 0 |
| | B1EZ1X | TRANSM AUTO NEUTRAL ON P-BRAKE | NO PARK BRAKE AUTO NEUTRAL FEATURES -- Manual Transmissions ONLY | 0 | 0 |
| S | MAV01V | TRANSMISSION ELECTRONIC SHIFTING PROPERTIES | W/O ALLISON FUELSNSE 2.0 PROGRAMMING | 0 | 0 |

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| VEHICLE ELECTRONICS | | DESCRIPTION | | FRONT | REAR |
| S | JCXE6X | ROAD SPEED LIMITER SETTING | 105 KM/H ROAD SPEED LIMITER (65MPH) | 0 | 0 |
| S | Y3CC5X | PEDAL RSL SETTING | 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 |
| | E4AAAX | CRUISE RESUME WITH CLUTCH | CRUISE RESUME WITH CLUTCH | 0 | 0 |
| S | E5AACX | ENG BRK 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 |
| | Q6FZ1X | DIFF LOCK SPEED LIMIT | WITHOUT DIFFERENTIAL LOCK ROAD SPEED LIMIT | 0 | 0 |
| S | A4BAAX | DETECTION SPEED SENSR Tmprng | DETECTION OF SPEED SENSOR TAMPERING, ENABLE | 0 | 0 |
| S | 8RXAEX | ENG TORQUE LIMIT,SPEED SENSOR | ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED | 0 | 0 |
| S | G5AAHX | ENGINE OVERSPEED,ALL COND, LOG | ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM | 0 | 0 |
| S | G2AAGX | ENGINE OVERSPEED,FUELED, LOG | ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM | 0 | 0 |
| S | G4AAUX | VEHICLE OVERSPEED,ALL COND,LOG | VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH) | 0 | 0 |
| S | G3AAPX | VEHICLE OVERSPEED, FUELED, LOG | VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH) | 0 | 0 |
| S | G1AABX | ENGINE IDLE DELAY TO LOG | 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 |

TECHNICAL SPECIFICATION (cont.)



| | | | | WEIGHT (LB) | |
|---------------------|--------|-------------------------------|--|-------------|------|
| VEHICLE ELECTRONICS | | DESCRIPTION | | FRONT | REAR |
| S | X5AB1X | VEHICLE APP SERVICE INTERVALS | SERVICE INTERVALS, VOCATIONAL APPLICATION | 0 | 0 |
| S | W8BAAX | SERVICE ALERT | 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 |
| | 944DR8 | PAINT COLOR - FIRST COLOR | WHITE; L0006 | 0 | 0 |
| 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 | 951AA6 | CHASSIS RUNNING GEAR | MACK BLACK (URETHANE); P3036 | 0 | 0 |
| S | 958018 | BUMPER | PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR | 0 | 0 |
| S | 959069 | FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY*** | PAINT FUEL TANK SAME COLOR AS CHASSIS RUNNING GEAR | 0 | 0 |

| | | | | WEIGHT (LB) | |
|------------------------|--------|--|--|-------------|------|
| CALCULATED CODES - KAX | | DESCRIPTION | | FRONT | REAR |
| | MAN01N | COMPONENTS PRODUCT CLASS, CA CHANGE REQUIRED | COMPONENTS PRODUCT CLASS, CA CHANGE REQUIRED | 0 | 0 |
| S | 9JXA1X | PROPCALC SELECTION | YES, THE ORDER MUST BE CALCULATED | 0 | 0 |
| | AXXZ1X | AUX CROSSM. IN REAR OVERHANG | W/O OPTIONAL CROSSMEMBERS BEHIND REAR AXLE/BOGIE | 36 | -92 |

TECHNICAL SPECIFICATION *(cont.)*



| | | | | 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 |
| S | M51021 | ENGINE WARRANTY | MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES (402,000KM) | 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 |
| | M54094 | TRANSMISSION WARRANTY | 36/350K MI: EATON TRANSMISSION STANDARD NORMAL AND HEAVY DUTY COVERAGE | 0 | 0 |
| S | M550G7 | CARRIER & AXLE HOUSING WARRANTY | STANDARD MACK HEAVY DUTY COVERAGE 60 MONTHS / 500,000 (804,672 KM) | 0 | 0 |
| S | M56026 | AIR CONDITIONING WARRANTY | AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE | 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 |
| S | M690F9 | GUARDDOG CONNECT BUNDLE | 24 MONTH - GUARDDOG CONNECT WITH MACK OTA (with ASIST and Mack OneCall)) | 0 | 0 |
| S | M78010 | PREPAID API | WITHOUT PREPAID API | 0 | 0 |

| | | | | WEIGHT (LB) | |
|---------------------------|--------|--------------------|------------------------------|-------------|------|
| Z - DO NOT USE - OBSOLETE | | | DESCRIPTION | FRONT | REAR |
| S | 962032 | HUBS & DRUMS-FRONT | SAME AS CHASSIS RUNNING GEAR | 0 | 0 |
| S | 963033 | HUBS & DRUMS-REAR | SAME AS CHASSIS RUNNING GEAR | 0 | 0 |

FRONT / REAR AXLE WEIGHTS (LB)

8416

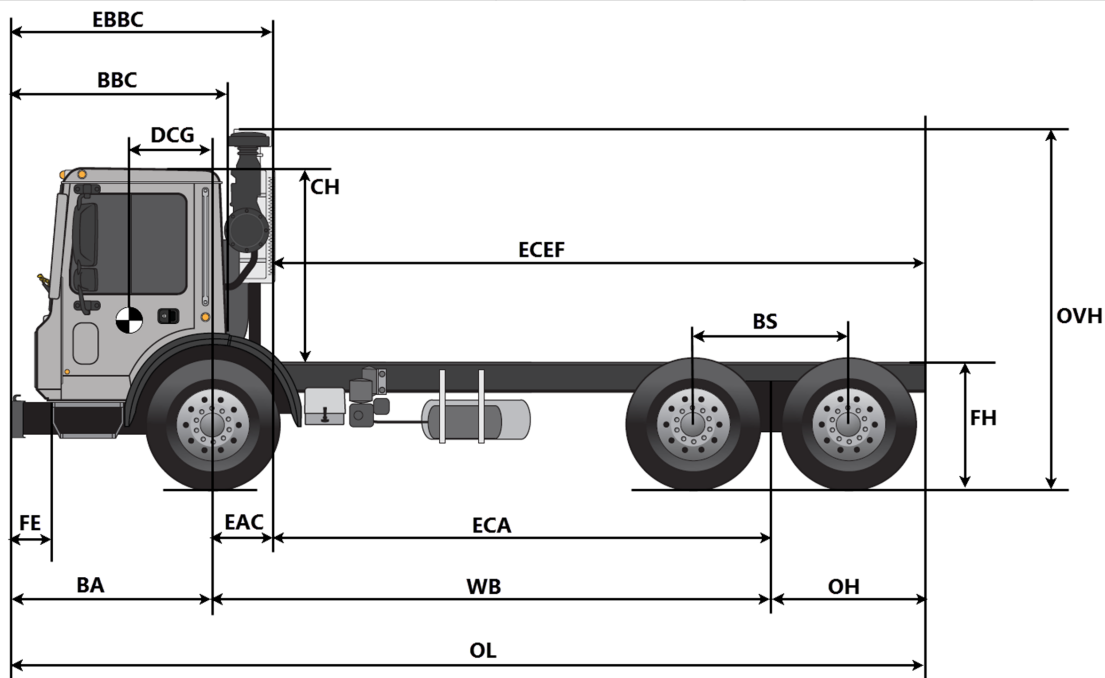
8354

TOTAL WEIGHT (LB)

16769

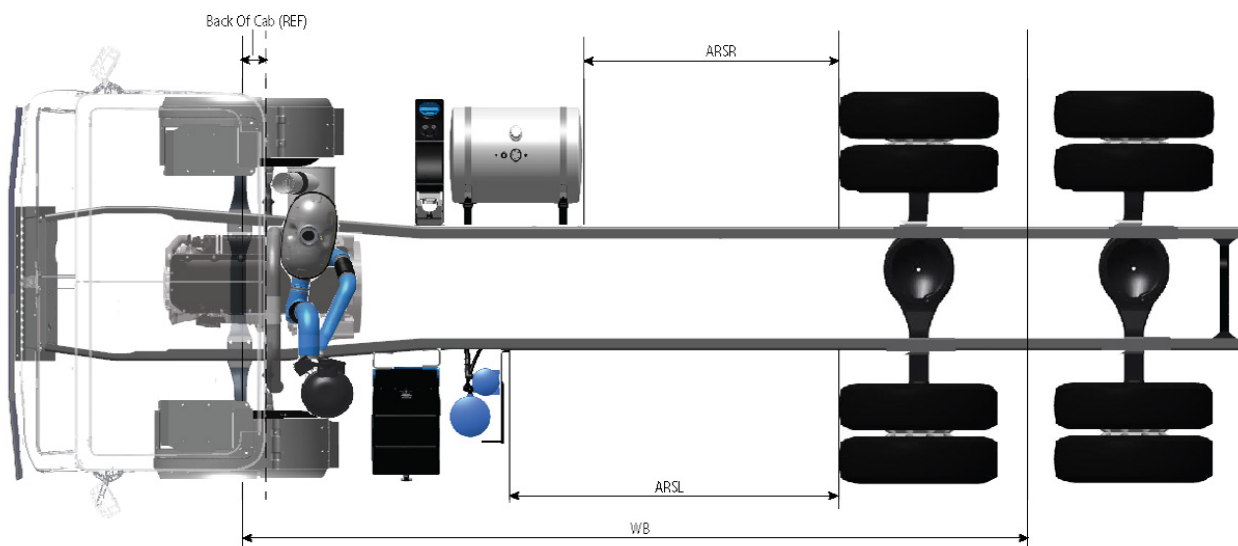
VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

| Description | Sales Code | Dwg Ref | Length | UOM |
|------------------------------------|------------|---------|--------|--------|
| Front Frame Extension | N/A | FE | 0.0 | INCHES |
| Bumper to Front Axle | N/A | BA | 59.5 | INCHES |
| Eff. Bumper to Front Axle | N/A | N/A | 59.5 | INCHES |
| Wheelbase | N/A | WB | 210.0 | INCHES |
| Rear Overhang | N/A | OH | 65.9 | INCHES |
| Overall Length | N/A | OL | 335.5 | INCHES |
| Bumper to Back of Cab | N/A | BBC | 63.0 | INCHES |
| Eff. Bumper to Back of Cab | N/A | EBBC | 85.0 | INCHES |
| Eff. Cab to Rear Axle | N/A | ECA | 184.5 | INCHES |
| Eff. Front Axle to Back of Cab | N/A | EAC | 25.5 | INCHES |
| Eff. Cab to End of Frame | N/A | ECEF | 250.5 | INCHES |
| Unladen Frame Height | N/A | FH | 41.6 | INCHES |
| Cab Height | N/A | CH | 61.6 | INCHES |
| Overall Height | N/A | OVH | 103.2 | INCHES |
| Driver CG | N/A | DCG | 13.8 | INCHES |
| 50" AXLE SPACING (BOGIE WHEELBASE) | GWXABX | BS | 50.0 | 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 | 73.6 |
| Available Rail Space Left | N/A | ARSL | 138.0 | 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 / 70 GALLON (265L) STEEL, 24" ROUND | 288AA1 / 290AH1 | N/A | 0.0 | 40.3 |
| Ad-Blue Tank | DF1041 | N/A | 0.0 | 6.0 |
| Drive Tire Radius | 901761 | N/A | 19.1 | 19.1 |



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.

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