



## TECHNICAL SPECIFICATION

### GRANITE 64FR

				WEIGHT (LB)	
CUSTOMER/VEHICLE INFO		DESCRIPTION		FRONT	REAR
S	002EF2	CHASSIS (BASE MODEL)	GRANITE 64FR	5,034	1,879
S	99X93X	ASSEMBLY PLANT	Made in Macungie, PA USA	0	0
	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	US - WARRANTY REGISTRATION LOCATION	0	0
S	505015	INITIAL REGISTRATION LOCATION	ALL 50 STATES, CARB ENGINE EMISSION (US17 / US21 / ZERO EMISSION)	0	0
S	534014	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH	0	0
S	DHX10X	ROAD CONDITION	WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE	0	0
	005145	VEHICLE USE & BODY/TRAILER TYPE	FLATBED TRUCK	0	0
	2KEZ1X	TRAILER TYPE	WITHOUT TRAILER TYPE	0	0
S	DKX99X	GROSS COMBINATION WEIGHT	TRUCK ONLY - NO TRAILER TOWING PROVISIONS PROVIDED	0	0
S	70BB1X	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 94M (310FT)	0	0
S	QCXB1X	TOPOGRAPHY	GRADES <6% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 16%	0	0
S	E1BD1X	AMBIENT TEMP UPPER LIMIT (GTA)	AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS PER YEAR	0	0
S	032A89	TERRAIN GRADE	ON-OFF HIGHWAY, STARTING GRADES<18%	0	0
S	033A10	LOADING SURFACE	CONCRETE LOADING AND / OR UNLOADING SURFACE	0	0
S	0342A2	VEHICLE VOCATION	CONSTRUCTION SERVICE	0	0

				WEIGHT (LB)	
ENGINE/TRANSMISSIONS		DESCRIPTION		FRONT	REAR
S	1000P0	ENGINE PACKAGE, COMBUSTION	MP7-345C MACK 345HP @ 1450-1700 RPM (PEAK) 1950 RPM (GOV) 1360 LB-FT, US'17	1,855	463
S	3GCB1X	GHG APPLICATION, VEHICLE	GREEN HOUSE GAS VOCATIONAL APPLICATION	0	0
	136AG2	TRANSMISSION	FULLER RTO-14909ALL (26.08/0.73)	605	201
S	V4EZ9X	GEARBOX 12TH GEAR LOCK-OUT	WITHOUT 12TH GEARBOX GEAR LOCK-OUT	0	0

				WEIGHT (LB)	
EXHAUST/EMISSIONS		DESCRIPTION		FRONT	REAR
S	CIRAA4	CARB 2008 IDLE REGULATION	IDLE EMISSION CERTIFICATION, CARB (WITH DECAL LOCATED ON LOWER LH CORNER / DRIVER DOOR	0	0
S	DPF04F	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21	0	0
S	MCF07F	CHASSIS MOUNTED EMISSIONS FINISH	W/O DEF COVER & PAINTED DPF COVER	0	0
S	DF1001	DEF TANK	6.6 GALLON (25 L) 22" LEFT SIDE FUEL TANK MTD	0	0
S	130AB6	EXHAUST	SINGLE VERTICAL RIGHT SIDE OUTBOARD MOUNTED STRAIGHT EXHAUST STACK TURNED OUT END	0	0
S	KRXB5X	EXHAUST STACK HEIGHT	11' 6" FROM GROUND	0	0
S	Q0AA1X	EXHAUST SYSTEM MATERIAL FINISH	W/O BRIGHT FINISH EXHAUST	0	0
	78AC9X	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2021	0	0

				WEIGHT (LB)	
ENGINE EQUIPMENT		DESCRIPTION		FRONT	REAR
S	125045	AIR CLEANER	UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD	0	0
S	121AA5	BUG SCREEN	BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER	0	0
S	1130L3	AIR COMPRESSOR/DRYER	WABCO AIR DR SS-HP AIR DRYER W/ WABCO 318 (18.7 CFM) AIR COMPRESSOR	0	0
S	KOXA1X	AIR DRYER POSITION (CA)	AIR DRYER POSITION STANDARD	0	0
S	132AB4	ALTERNATOR	DELCO 12V 130A (24SI) BRUSH-TYPE	16	0
S	316AA6	BATTERIES	(3) MACK 12V 650/1950 CCA THREADED STUD TYPE	0	0
S	393AA2	BATTERY BOX - MOUNTING	LH RAIL UNDER CAB FORWARD OF FUEL TANK (3 BATTERY MAX)	-8	-4
S	L5XA1X	BATTERY BOX COVER	MOLDED PLASTIC	0	0
S	NCXA5X	STARTER MOTOR	12 VOLT DELCO 39MT-MXT	31	0
S	110AA5	ENGINE BRAKE	MACK MP7 POWERLEASH	0	0
S	JM XB1X	ENGINE BRAKE LIGHTING (CA)	VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON SERVICE BRAKE APPLICATION ONLY(3899000)	0	0
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
	H9XK1X	RADIATOR TYPE	RADIATOR, CORE AREA W/O FEPTO 1345sq in (86sq dm), CORE AREA W/ FEPTO 1296sq in (83sq dm)	0	0
S	124AA3	HOSES - RADIATOR/HEATER	MACK EPDM RADIATOR & HEATER HOSES	0	0
S	293043	FUEL-WATER SEPARATOR	MACK W/MANUAL DRAIN VALVE W/ HOT RECIRCULATION (INTEGRAL W/ PRIMARY FUEL FILTER)	0	0
S	MBXA1X	PRIMARY FUEL FILTER POSITION (CA)	STANDARD FUEL FILTER POSITION	0	0
S	MCA00A	ENGINE HEATERS	NO COLD WEATHER STARTING AIDS PROVIDED	0	0
S	QHXC1X	OIL PAN	OIL PAN	0	0
S	2YBZ1X	ENGINE STOP, EMERGENCY (CA)	WITHOUT ENGINE STOP, EMERGENCY	0	0

				WEIGHT (LB)	
CLUTCH/TRANS EQUIPMENT		DESCRIPTION		FRONT	REAR
	492032	GEAR SHIFTER	EATON/FULLER SHIFTER	0	0
	133AD1	CLUTCH	EATON ADVANTAGE EZ-PEDAL 9-SPRING,2PLATE 15.5" CERAMIC 6 PADDLES, MANUAL ADJUST	0	0
	MCB04B	CLUTCH ACTUATION SYSTEM & PEDAL PAD	MECHANICAL CLUTCH CABLE SYSTEM WITH RUBBER PEDAL	0	0
	2XAB1X	CLUTCH PEDAL PAD	RUBBER PAD	3	0
	1950L5	DRIVELINE - MAIN	SPICER SPL350HDXL LITE - 2XLARGE (PROPS2XL)	7	7
	204054	DRIVELINE - INTERAXLE	SPICER SPL250XL "LITE SERIES"	0	0

				WEIGHT (LB)	
CLUTCH/TRANS EQUIPMENT		DESCRIPTION		FRONT	REAR
	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
S	4LDA1X	TRANSMISSION OUTPUT TORQUE	TRANSMISSION OUTPUT TORQUE BASIC	0	0
S	RCXB1X	BELL HOUSING	ALUMINUM	0	0
	7RXB1X	LUBRICANTS, TRANSMISSION	SYNTHETIC OIL IN TRANSMISSION	0	0
	139AA2	TRANSMISSION OIL COOLER	TRANS OIL COOLER (INTEGRAL OIL PUMP)	45	3

				WEIGHT (LB)	
FRONT AXLE EQUIPMENT		DESCRIPTION		FRONT	REAR
	240AA6	FRONT AXLE	12000# (5400 KG) MACK FXL12 STRAIGHT SPINDLE/UNITIZED BEARINGS	0	0
	244AB7	SPRINGS - FRONT	MACK TAPERLEAF 12000# (5400 KG) GROUND LOAD RATING (2 LEAF), EQUAL BIAS	-2	0
	2410A1	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 5" Q+	16	0
S	U3XA1X	BRAKE, FRONT	CAST IRON	0	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	157	0
S	1KAA1X	SHOCK ABSORBER, FRONT	DOUBLE ACTING TYPE	0	0
S	245AA9	STEERING	SHEPPARD SD110	111	0
S	7VXC1X	LUBRICANTS, FRONT AXLE	PETROLEUM/SYNTHETIC (50/50) OIL FRONT AXLE	0	0

				WEIGHT (LB)	
REAR AXLE EQUIPMENT		DESCRIPTION		FRONT	REAR
S	268AB1	REAR AXLES - TANDEM	38000# (17200kg) MACK S38R FABRICATED STEEL HOUSING	0	1,420
S	6MAA1X	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE	0	0
S	018AA6	CARRIER - REAR AXLE	CRDP150/151 AVAILABLE WITH OPTIONAL DRIVER CONTROLLED INTERWHEEL DIFFERENTIAL LOCKS, SEE 254 SYMBOL	0	0
	TAXE6X	REAR AXLE RATIO	3.56 RATIO	0	0
S	1860G6	REAR SUSPENSION - TANDEM	SS38 MACK MULTILEAF (CAMELBACK) 38000# CAPACITY, EXTRA THICK SPRING THICKNESS	0	1,451
	402AA3	SPRINGS - ANTI-SWAY	SPRINGS, ANTI-SWAY	0	104
	XZXB1X	REAR SUSP. BEAM BUSHINGS	RUBBER	0	0
S	GWXABX	BOGIE SPREAD, REAR	50" AXLE SPACING (BOGIE WHEELBASE)	0	16
S	2AAAAX	REAR SPRING INSULATOR MAT'L	RUBBER SHOCK INSULATORS	0	0
S	XYXB1X	TRANSVERSE TORQUE RODS, R SUSP	TRANSVERSE TORQUE ROD (REAR AXLE ONLY)	0	67
	UGXA1X	AUX.PARKING BRAKE CHAMBERS	AUXILIARY PARK, TWO EXTRA PARKING BRAKE CHAMBERS	0	20
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 (Total for QTY = 2)	0	0
	V1AB1X	REAR BRAKE CHAMBER SIZE	REAR SPRING BRAKE CHAMBERS 30/30 TYPE	0	0
S	300AB8	REAR BRAKE CHAMBER	MGM TR3030LP3THD BRAKE CHAMBERS (Total for QTY = 2)	0	0
S	0LXI5X	HUB MATERIAL, DRIVE	IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT	0	318
S	3LAC1X	POWER DIVIDER LOCKOUT	POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT	0	40
S	7WXA1X	LUBRICANTS, REAR AXLE(s)	FACTORY OPTION LUBE - REAR AXLE	0	0

				WEIGHT (LB)	
REAR AXLE EQUIPMENT		DESCRIPTION		FRONT	REAR
	698058	ANTILOCK BRAKE SYSTEM	BENDIX WITHOUT TRACTION CONTROL 4S4M	0	0
S	URXD1X	BRAKE VALVE VERSION	BENDIX SWITCHES AND VALVES WHERE POSSIBLE	0	0
S	3ZAA1X	SPRING BRAKE INVERSION VALVE	TRACTOR SPRING BRAKE INVERSION VALVE	5	0

				WEIGHT (LB)	
FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION		FRONT	REAR
	271183	WHEELBASE	183"	-46	-46
	374073	AF (OVERHANG)	73"	-11	195
S	MCE05E	FRAME RAILS & LINERS	8 x 90 x 300mm - (0.31" x 3.54" x 11.81"); RBM 2,120,000 LB-IN	0	0
S	A0XH1X	FRONT FRAME LENGTH	FRONT FRAME LENGTH 725MM	0	0
S	281AA5	CROSSMEMBERS	BOC AND INTERMEDIATE(S) STEEL HD BACK-TO-BACK CHANNEL	0	0
S	Q5AA1X	REAR CROSSMEMBER OPTIONS	STEEL CLOSING REAR CROSSMEMBER	0	0
	4DXA6X	FRONT BUMPER	FLUSH-PAINTED STEEL	-11	3
	4EXF1X	TOWING DEVICE, FRONT	(2) CLEVIS	0	0
S	2RAA1X	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK	0	0
S	288AF2	FUEL TANK - LH	66 GALLON (250 L) 22" ALUMINUM, SLEEVED D-SHAPED	58	29
S	290AA1	FUEL TANK - RH	W/O RH FUEL TANK	0	0
S	JHXB1X	FUEL HOSES, LIQUID	BRAIDED HOSE	5	3
S	8520C2	FUEL FILLER NECK OPTIONS	WITHOUT FILLER NECK SCREEN, WITH NON-LOCKABLE FUEL TANK CAP	0	0
	12AA1X	FUEL LINE OPTIONS, LIQUID	W/O FUEL LINE OPTION	0	0
S	Q2AA1X	CAB INSTEP VERSION	STANDARD 2 STEP CAB ACCESS	0	0

				WEIGHT (LB)	
AIR/BRAKE		DESCRIPTION		FRONT	REAR
S	UWXC1X	AIRTANK DRAIN VALVE	MANUAL (PETCOCK) DRAIN VALVES ON ALL TANKS	0	0
S	U2XB1X	AIRTANK MATERIAL	STEEL	0	0
S	141AA1	RELOCATE AIR RESERVOIRS	W/O RELOCATED AIR TANKS	0	0
S	1JAAAX	PARKING BRAKE VALVE	SINGLE VALVE SYSTEM	0	0

				WEIGHT (LB)	
ELECTRICAL		DESCRIPTION		FRONT	REAR
S	3120A2	ROOF & SIDE MARKER LIGHTS	(5) TRUCKLITE CHROME BULLET ROOF MARKER & STANDARD MARKER / DIRECTIONAL SIGNAL	0	0
S	LSXJ7X	DAYTIME RUNNING LIGHTS	W/OVERRIDE SWITCH, PARK BRAKE & ENGINE RUNNING ACTIVATED	0	0
S	X2AA1X	DRL OVERRIDE SPEED THRESHOLD	DRL OVERRIDE SPEED THRESHOLD 8 KMPH (5 MPH)	0	0
S	NEXC1X	TAIL LAMPS	INCANDESCENT TAIL LAMPS	0	0

				WEIGHT (LB)	
TRAILER CONNECTIONS		DESCRIPTION		FRONT	REAR
S	WGXB1X	TRAILER BRAKE VALVE	W/O HAND CONTROL VALVE	-6	0
S	3SAZ1X	TRAILER CONNECTORS HOLDER	OMIT TRAILER CONNECTORS HOLDER	3	0

				WEIGHT (LB)	
PTO			DESCRIPTION	FRONT	REAR
S	2WAZ1X	PTO TRANS NEUTRAL CONTRL CHECK	W/O NEUTRAL CONTROL	0	0
S	B83083	BODY BUILDER INTERFACE	BODY LINK III W/CAB PASS-THRU	5	5

				WEIGHT (LB)	
SPECIALTY EQUIPMENT			DESCRIPTION	FRONT	REAR
S	MCQ01Q	LANE SUPPORT SYSTEM (LSS)	WITHOUT LANE SUPPORT SYSTEM	0	0
S	2PEZ1X	DATA CAPTURE	WITHOUT DATA CAPTURE	0	0
S	1PAZ1X	CAMERA, SURVEILLANCE	WITHOUT CAMERA	0	0

				WEIGHT (LB)	
CAB INTERIOR (A THRU G)			DESCRIPTION	FRONT	REAR
S	198048	GAUGES - UNIT OF MEASURE	U.S. UNITS (PREDOMINANT)	0	0
	E1AAAX	GAUGE - REAR AXLE OIL TEMP	REAR AXLE OIL TEMP GAUGE IN DID (DRIVER INFORMATION DISPLAY)	0	0
S	173AA5	AIR CONDITIONING/HEATER	BLEND AIR HVAC W/"ATC" TEMP REGULATION	0	0
S	I0XAHX	DOME LAMP, INTERIOR	(4) DOME LAMPS - DOOR AND SWITCH ACTIVATED	0	0
S	3XAA1X	DASH INDICATOR - LAMP BODY OUT OF POS	DASH MTD, INDICATOR BODY/HOIST UP "BODYBUILDER LAMP"	0	0
S	V8DZ1X	CARBON MONOXIDE DETECTION SYS	WITHOUT CARBON MONOXIDE DETECTION SYSTEM	0	0
S	184AA2	FLOOR COVERING	POLYURETHANE FLOOR MAT WITHOUT REMOVABLE INSERTS	0	0

				WEIGHT (LB)	
CAB INTERIOR (H THRU R)			DESCRIPTION	FRONT	REAR
S	C52082	INSTMNT CLUSTER LANGUAGE	DEFAULT: ENGLISH, SPANISH, FRENCH	0	0
S	20XA1X	KEY TYPES FOR DOORS	ALL CHASSIS KEYED AT RANDOM	0	0
S	13AA1X	DOOR OPENING OPTIONS	W/O ELECTRONIC KEYLESS ENTRY	0	0
S	E3XD1X	FORWARD OVERHEAD STORAGE	(2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING FOR CB PROVISIONS	0	0
	174AA1	AUDIO ACCOMMODATION	W/O RADIO OR RADIO ACCOMMODATION PACKAGE	-6	0
	73AZ1X	ANTENNA - RADIO	W/O ANTENNA OR PREP KIT	-2	0
S	1WAB1X	POWER LEADS	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE	0	0
	5CXAEX	AUDIO SPEAKER LOCATION	SPEAKER LOCATION, BEHIND DOORS, MIDDLE HIGH SIDE PANEL	0	0
S	5JXAIX	COM.RADIO PREP KIT (CB)	CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE	0	0
S	21XA1X	AUXILIARY REAR WINDOW	REAR WINDOW (FIXED TYPE)	0	0
S	IFXB1X	REAR WALL STORAGE COMPARTMENT	STORAGE POUCH REAR	0	0

				WEIGHT (LB)	
CAB INTERIOR (S THRU Z)			DESCRIPTION	FRONT	REAR
S	004014	INTERIOR TRIM LEVELS	STANDARD PACKAGE, STEEL GRAY (Package 11A)	0	0
S	196AAA	SEAT - DRIVER'S	MACK-AIR, HIGH BACK, 1 CHAMBER AIR LUMBAR	71	16
S	MAPB2X	SEAT COVERING - DRIVER'S	DRIVER'S SEAT - STEEL GREY VINYL	0	0
	592082	SEAT BELT(S)	LAP & SHOULDER (DRIVER'S SEAT ONLY)	0	0
S	2QAA1X	IGNITION TYPE	KEY TYPE	0	0
S	161005	STEERING WHEEL	2 SPOKE URETHANE GRIP, GUNMETAL SPOKES, W/O SWITCHES	0	0

				WEIGHT (LB)	
CAB INTERIOR (S THRU Z)		DESCRIPTION		FRONT	REAR
S	WSXBAX	WINDSHIELD TYPE	TWO PIECE WINDSHIELD	0	0
S	145AA1	CAB GLASS	TINTED WINDSHIELD & SIDE WINDOWS & REAR WINDOW (IF EQUIPPED)	0	0
S	JQXAAX	WASHER RESERVOIR POSITION	W/O WINDSHIELD WASHER OPTION	0	0
S	148AA3	WINDSHIELD WIPERS	2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE	0	0

				WEIGHT (LB)	
CAB EXTERIOR		DESCRIPTION		FRONT	REAR
S	MCG06G	AIR INTAKE GRILL / HOOD LATCH - FINISH	GRAY AIR INTAKE WITH BLACK HOOD LATCHES	0	0
S	400AA4	GRILLE	SILVER PAINTED W/O GRILLE SURROUND	0	0
S	MCD03D	PASSENGER SIDE VISIBILITY OPTIONS	AUXILIARY WINDOW IN RH DOOR	3	0
S	2KXB1X	FRONT WHEEL OPENING	FENDER EXTENSIONS	5	0
S	5870G7	GRAB HANDLES	PREMIUM BLACK EXTERIOR CAB GRAB HANDLE, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST	0	0
S	LXXC1X	HORN - ELECTRICAL	SINGLE TONE	0	0
S	1520B2	MIRRORS - EXTERIOR	FLAT MIRROR - POLISHED ALUMINUM FINISH, W/O LAMPS	0	0
S	153AA2	MIRRORS - CONVEX TYPE CAB DOORS	BRIGHT FINISH, LH & RH, 8" DIAMETER CONVEX	0	0

				WEIGHT (LB)	
AERODYNAMIC DEVICES		DESCRIPTION		FRONT	REAR
S	159AA1	CAB AERODYNAMIC PACKAGES	WITHOUT CAB AERODYNAMIC DEVICES	0	0
S	MCM998	FRONT CHASSIS AERODYNAMIC PACKAGE	WITHOUT FRONT AERODYNAMIC FAIRINGS	0	0

				WEIGHT (LB)	
WHEELS & TIRES		DESCRIPTION		FRONT	REAR
	900AA6	TIRES BRAND/TYRE - FRONT	11R22.5 G BRIDGESTONE M843 (12350 lbs) (Total for QTY = 2)	278	0
	4WCE1X	GHG STEER TIRE CATEGORY (PAWS)	BASIC ROLLING RESISTANCE, POOR FUEL ECONOMY	0	0
	5312F1	WHEELS - FRONT	22.5x8.25 ACCURIDE ACCU-LITE WHITE POWDER COAT STEEL, 6.60" OFFSET, 2 HAND HOLE (Total for QTY = 2)	142	0
S	901601	TIRES BRAND/TYRE - REAR	11R22.5 G BRIDGESTONE M713 ECOPIA (23360 lbs) (DRIVE ONLY) (Total for QTY = 8)	0	953
S	4XCA1X	GHG DRIVE TIRE CATEGORY (PAWS)	ADVANCED LOW ROLLING RESISTANCE, BEST FUEL ECONOMY	0	0
S	3462J6	WHEELS - REAR	22.5x8.25 ACCURIDE ACCU-LITE WHITE POWDER COAT STEEL, 6.60" OFFSET, 5 HAND HOLE (Total for QTY = 8)	0	547
S	H1EB1X	DRIVE WHEEL STUDS	DRIVE WHEEL STUDS LONGER LENGTH	0	0
S	15XABX	TIRE INFLATION VALVE	STANDARD VALVE STEMS AND CAPS	0	0
S	MCH03H	FRONT HUB/WHEEL TRIM	WITHOUT FRONT HUB/WHEEL TRIM	0	0
S	MCI03I	REAR HUB/WHEEL TRIM	WITHOUT REAR HUB/WHEEL TRIM (Total for QTY = 2)	0	0
	MCJ03J	AUXILIARY HUB/WHEEL TRIM	WITHOUT AUXILIARY HUB/WHEEL TRIM	0	0
S	80AA1X	WHEEL NUT & FINISH, FRONT	WHEEL NUT BASIC FINISH, FRONT	0	0
S	3PBA1X	WHEEL NUT FINISH, REAR (CA)	WHEEL NUT BASIC FINISH, REAR	0	0

				WEIGHT (LB)	
COMMUNICATION SYSTEMS		DESCRIPTION		FRONT	REAR
S	3YAA1X	CO-PILOT - DISPLAY FEATURES ACCESS LEVEL	CO-PILOT DISPLAY, DRIVER ACCESS LEVEL 1	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
S	9YDA1X	SOFTWARE DOWNLOAD NOTIFICATION	SOFTWARE DOWNLOAD NOTIFICATION TO DRIVER, POPUP & ICON	0	0

				WEIGHT (LB)	
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
	C7AABX	ENG FAN CNTL, A/C ON, TIME SET	ENG FAN CONTROL, A/C ON, TIME SETTING, 60 SEC	0	0
S	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
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	M4CB1X	IDLE S/D OVERRIDE %ENGINE LOAD	IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD	0	0
S	D2AAFX	AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 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	B6ABAX	EL HAND THROTTLE,MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 1000 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

				WEIGHT (LB)	
TRANSMISSION ELECTRONICS		DESCRIPTION		FRONT	REAR
S	779001	TRANSMISSION ELECTRONICS PACKAGE	W/O ELEC TRANS PACKAGE OPTION (all non-Allison transmissions)	0	0
S	MAV01V	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	W/O ALLISON FUELSNSE 2.0 PROGRAMMING	0	0

				WEIGHT (LB)	
VEHICLE ELECTRONICS		DESCRIPTION		FRONT	REAR
S	JCX6X	ROAD SPEED LIMITER SETTING	105 KM/H ROAD SPEED LIMITER(65 MPH)	0	0
S	Y3CC1X	PEDAL RSL SETTING	101 KM/H PEDAL ROAD SPEED LIMITER (63MPH)	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	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
S	L2CA1X	PDLO ENGAGED VLS	POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 8KMH (5MPH)	0	0

				WEIGHT (LB)	
VEHICLE ELECTRONICS		DESCRIPTION		FRONT	REAR
S	W5BA1X	MAXIMUM ENG SPEED AT 0 MPH	1000 MAXIMUM ENGINE SPEED AT 0 MPH	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	X3CB1X	DRIVER ID FUNCTION	DRIVER ID FUNCTION, DISABLED	0	0
S	0PAZ1X	DR PERFORMANCE PARAMETERS	WITHOUT DRIVER PERFORMANCE PARAMETERS	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

				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	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	950AD0	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	996AA3	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT	0	0
S	MPB944	CAB COLOR	SAME AS FIRST COLOR - CAB	0	0
S	MPD944	HOOD COLOR	SAME AS FIRST COLOR - HOOD	0	0
S	MPC998	SLEEPER ROOF COLOR	WITHOUT SLEEPER ROOF COLOR	0	0
S	MPA998	ROOF FAIRING COLOR	WITHOUT ROOF FAIRING	0	0
S	951AA6	CHASSIS RUNNING GEAR	MACK BLACK (URETHANE)	0	0
S	958018	BUMPER	PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR	0	0



				WEIGHT (LB)	
PAINT		DESCRIPTION		FRONT	REAR
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
	D5EA1X	AUTO ROUTING & CLIPPING, CENTER	AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION	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
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
S	M67017	PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION	W/O PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION COVERAGE	0	0

FRONT / REAR AXLE WEIGHTS (LB)

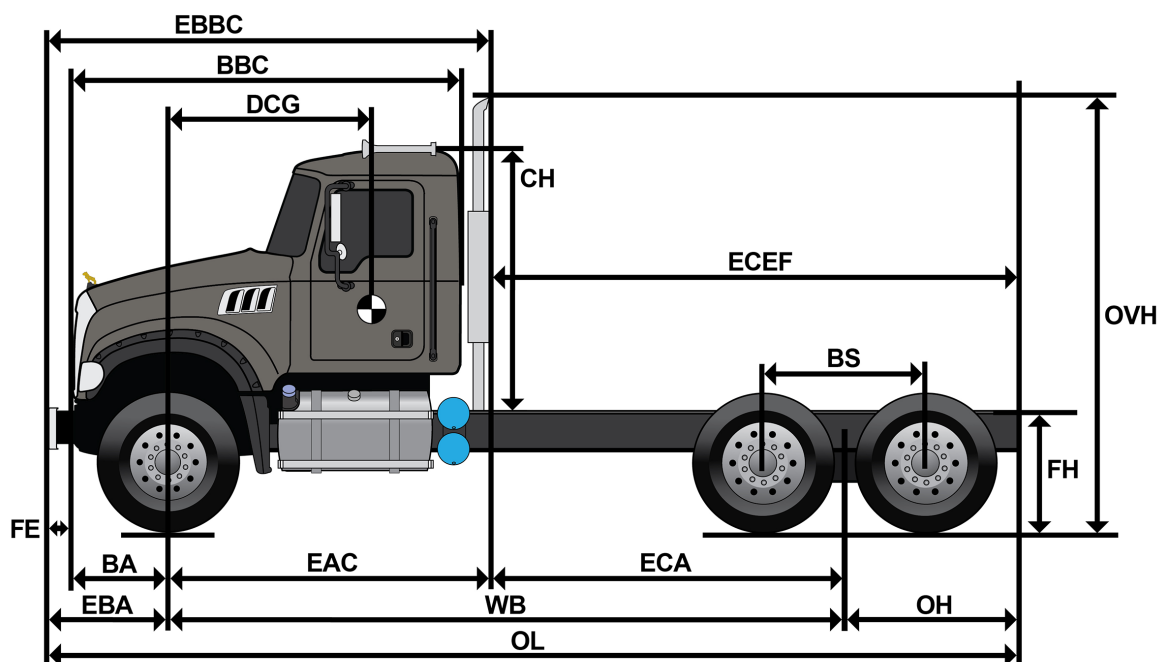
8347 7644

TOTAL WEIGHT (LB)

15991

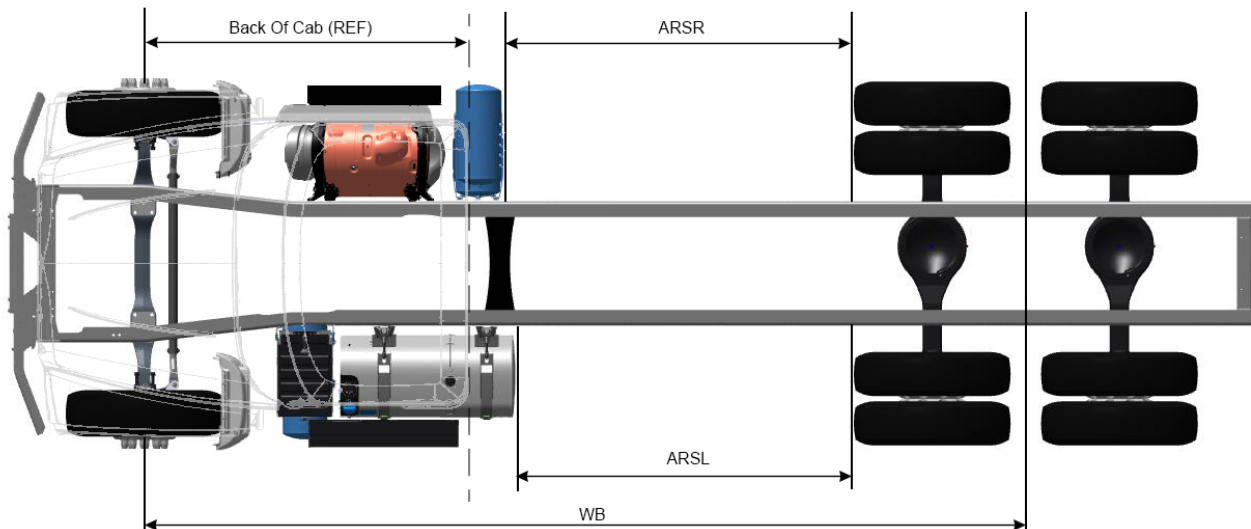
**VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY**

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	DF10O1	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.*

