

TECHNICAL SPECIFICATION

HB64T P-BUILDS



N4838

MODEL - ORDER DEFINING		DESCRIPTION
S	PRODUCT DESCRIPTION	PIONEER (HB's)
	CHASSIS (BASE MODEL)	PIONEER 64T 76" HIGH ROOF SLEEPER

CUSTOMER / VEHICLE INFO		DESCRIPTION
	VEHICLE USE & BODY/TRAILER TYPE	VAN TRAILER
	Order Subject to Meeting All Mack Policies, Terms and Conditions,	Including but not Limited to Applicable CARB and/or Section 177 States' Regulation requirements
	INTENDED REGISTRATION LOCATION	QUEBEC
	INTENDED OPERATING GCW	110,000lbs (Between 91,000lbs and 110,000lbs operating GCW)
	INTENDED LOADING CONDITIONS	FULLY LOADED ALL THE TIME
	INTENDED OPERATING SPEED	66 - 70 MPH
	INTENDED OPERATING EFFICIENCY	GOOD AERODYNAMICS WITH MAXIMUM ENGINE POWER
	INTENDED OPERATING TOPOGRAPHY	FLAT (TURNPIKE CONDITIONS)
	INTENDED ROAD CONDITIONS	ALWAYS ON PAVED ROADS
	MACK RECOMMENDED POWERTRAIN PACKAGE	Mack recommends our "HIGHWAY HAUL; OVERDRIVE"
	LOADING SURFACE	ASPHALT LOADING AND / OR UNLOADING SURFACE
	MAXIMUM STARTING GRADE	3% STARTING GRADE
S	ORDER TYPE REQUIREMENTS	RETAIL OR STOCK - CUSTOM SPECIFICATIONS
	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND
S	LEASING PROGRAM	NO LEASING PROGRAM
	COUNTRY OF DESTINATION	COUNTRY CANADA
	WARRANTY REGISTRATION LOCATION	CANADA - WARRANTY REGISTRATION LOCATION
	EMISSION WARRANTY CERTIFICATION	EPA (only) for Mack MP13 Diesel
	TOTAL VEHICLE CAPACITY RATING	TOTAL VEHICLE CAPACITY RATING 110000 LBS
S	REAR AXLE LOAD RETURN RATING	LOAD RETURN RATING, MAX 100% OF MAXIMUM LOAD
	ROAD CONDITION	WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE
	TOPOGRAPHY	MOSTLY FLAT: GRADES <3% FOR >98% OF DRIVING DIST (MAX GRADE 8%)
S	VEHICLE GHG CERTIFICATION	GREEN HOUSE GAS COMPLETE VEHICLE & COMPLETE CERTIFICATION
	LANGUAGE-PUBS/DECAL/SIGNS	FRENCH
	MACK BULLDOG HOOD ORNAMENT	MACK BULLDOG HOOD ORNAMENT, GOLD

APPLICATION PACKAGES		DESCRIPTION
	AMENITIES PACKAGES	AMENITIES MAX PACKAGE, 76" High Roof Sleeper
	TECHONOLOGY PACKAGE	TECHNOLOGY MAX PACKAGE, 76" High Roof Sleeper
	AERODYNAMIC PACKAGES	PIONEER STANDARD AERO PACKAGE, 76" High Roof Sleeper
	CHASSIS CONFIGURATION PACKAGE	LINEAR EATS, LEFT FRONT 6 BATTERY, DUAL 26" FUEL TANKS - LH TANK IS COMBO WITH 28 GALLON (107L) DEF

ENGINE / TRANSMISSION		DESCRIPTION
	POWERTRAIN CONCEPT	HIGHWAY HAUL, OVERDRIVE
	MASS SENSING TORQUE LIMITATION	DYNAMIC TORQUE ENABLED
	VEHICLE ACCELERATION LIMITING	WITHOUT ACCELERATION LIMITING
	ENGINE PACKAGE, COMBUSTION	MP13-515 MACK 515HP@1850LB-FT, US24
S	TRANSMISSION	MACK TMD12AGO mDRIVE 12 SP-OD (OVERDRIVE)

TECHNICAL SPECIFICATION *(cont.)*



ENGINE / TRANSMISSION EQUIPMENT	DESCRIPTION
S AIR INTAKE & CLEANER	OUTSIDE AIR INTAKE WITH ONE STAGE AIR CLEANER
S AIR RESTRICTION INDICATOR	MECHANICAL, GRADUATED, ON FILTER
S STARTER MOTOR MANUFACTURER	STARTER MOTOR MANUFACTURER, MELCO
ALTERNATOR	24V 160AMP BRUSHLESS, DELCO REMY
BATTERY BOX	6 BATTERY BOX, MOUNTED ON LEFT RAIL
S BATTERY SAVER SYSTEM	BATTERY SAVER CONTROL: AUTOMATED TIMER
BATTERY MANAGEMENT LEVEL / MAINTENANCE	BATTERY MANAGEMENT LEVEL, HIGH
BATTERIES	6 AGM BATTERIES @ 4950 CCA INCLUDING AN ULTRA CAPACITOR
S LOWER FRONT GUARD	GUARD - RADIATOR & COOLING PIPE
S COOLANT PROTECTION	ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER
S COOLANT HOSE	EPDM RUBBER COOLANT HOSE
EXHAUST	13' 5" VERTICAL RH INBOARD CHROMED SS TURNED OUT, HORIZONTAL EATS
EXHAUST HEAT SHIELD	EXHAUST HEAT SHIELD, STAINLESS STEEL, POLISHED
MINIMUM REQUIRED DRIVELINE SIZE (KAX)	MINIMUM REQUIRED DRIVELINE FOR KAX, PROPS-M
DRIVELINE - MAIN	MERITOR RPL35, W/PERMALUBE U-JOINTS & CROSS SERRATED YOKE - XLARGE (PROPS-XL)
DRIVELINE - INTERAXLE	MERITOR RPL25 W/PERMALUBE
S FUEL-WATER SEPARATOR	MACK FUEL WATER SEPARATOR, ENGINE MOUNTED
ENGINE HEATERS	120v 1500w BLOCK HEATER + 150w OIL PAN HEATER
S ENGINE STARTING AID	WITH STARTING AID
S OIL FILTER CONCEPT	OIL FILTER SPIN ON TYPE
S ENGINE BRAKE ACTIVATION	ENGINE BRAKE ACTIVATION, BASIC

FRONT AXLE EQUIPMENT	DESCRIPTION
FRONT AXLE	13200# (6000 KG) MACK FXL13.2
SPRINGS - FRONT	MACK COMFORT RIDE PARABOLIC SPRING, MAINT. FREE FRONT SUSPENSION, EQUAL BIAS
S FRONT AXLE BRAKE & HUB	MERITOR 430MM (17") DISC, SINGLE PISTON, ALUMINUM PRESET PLUS HUBS W/ LONG WHEEL STUDS
S BRAKE DUST SHIELDS, FRONT AXLE	WITHOUT FRONT BRAKE DUST SHIELDS
S FRONT AXLE LUBRICANT	FRONT AXLE LUBE, SHELL 75W90 SYNTHETIC OIL
FRONT STABILIZER	FRONT STABILIZER STIFFER THAN NORMAL

REAR AXLE EQUIPMENT	DESCRIPTION
REAR AXLE	40000# (18100kg) MERITOR MT40-14X4D HYPOID (LOW ENTRY), 11mm (7/16") Casing
RATIO - REAR AXLE	3.25 RATIO
S DRIVE AXLE LUBRICANT	DRIVE AXLE LUBE, SHELL 75W90 SYNTHETIC OIL
TRACTION DIFFERENTIAL	INTERAXLE & INTERWHEEL DIFFERENTIAL LOCK, ALL REAR AXLES w/ INDEPENDENT SWITCHES
S TRACTION CONTROL	AUTOMATIC TRACTION CONTROL, ENHANCED, 6 CHANNEL
REAR SUSPENSION	46000# (20900kg) MACK MaxRide, STD HEIGHT, 54" BOGIE
REAR SHOCK ABSORBERS	REAR SHOCKS FOR MACK MaxRide AIR ON 6*4
ELECTRONIC CONTROLLED SUSPENSION (ECS)	ECS PREMIUM - 1 DRIVE LEVEL, AUTO STANDBY, w/ LOAD INDICATOR (6*4)
REMOTE CONTROL OUTSIDE CAB	REMOTE CONTROL FOR ELECTRONIC CONTROLLED SUSPENSION
S REAR AXLE BRAKE & HUB	MERITOR 430MM (17") DISC, SINGLE PISTON, ALUMINUM PRESET PLUS HUBS W/ LONG WHEEL STUDS
S BRAKE, REAR	REAR DISC ROTOR FOR CONMET PRESET PLUS HUBS
S BRAKE DUST SHIELDS, DRIVE AXLE	WITHOUT REAR BRAKE DUST SHIELDS

TECHNICAL SPECIFICATION *(cont.)*



REAR AXLE EQUIPMENT		DESCRIPTION
S	BRAKE SLACK ADJUSTERS	MERITOR DISC BRAKE ADJUSTERS, FRONT & REAR, 2 drive axles
S	PARKING BRAKE CHAMBER	FOUR PARK BRAKE CHAMBERS, WABCO 2424 - DISC (6*4, 8*4, 10*4 only)

FRAME EQUIPMENT / FUEL TANKS		DESCRIPTION
	FRAME RAILS & LINERS	8 x 90 x 300mm - (0.31" x 3.54" x 11.81"); RBM 2,120,000 LB-IN
	WHEELBASE	238"
	AF (OVERHANG)	57"
S	CROSSMEMBERS	C-CHANNEL TYPE, STEEL INTERMEDIATE XMBRS, STEEL FRT SUSP XMBR, & STEEL BOGIE XMBR
S	REAR CLOSING CROSSMEMBER	REAR CLOSING CROSSMEMBER, TAPERED (HT)
	FUEL TANK - LH	26" 125 GALLON (475 LITER) ALUMINUM DIESEL COMBO TANK (includes 28 gallon DEF)
	FUEL TANK - RH	26" 150 GALLON (570 LITER) ALUMINUM TANK
S	FUEL TANK STRAP FINISH	PAINTED FUEL TANK STRAPS
S	FUEL LINES	NYLON FUEL LINES
S	FUEL FILLER CAP	NON-LOCKABLE FILL CAP, ALUMINUM
S	DIESEL EXHAUST FLUID TANK	28 GALLON (107 LITER) included in LH 26" COMBO FUEL TANK
S	AD-BLUE TANK VENTILATION	WITHOUT AD-BLUE TANK VENTILATION FILTER
	REAR FENDER	QUARTER FENDER, STAINLESS STEEL, W/ LOGO
	MUDFLAP & HANGERS	HANGER BETTS SHAPED ANGLE, INTERNAL SPRING, PAINTED; MUDFLAP ANTISPRAY BRISTLED
	REAR DECK PLATE	THREE REAR DECK PLATES, LOW PROFILE (US=60")
	BACK OF CAB ACCESS TYPE	CHASSIS MOUNTED STEPS, BACK OF CAB ACCESS WITH BLACK HANDLES
	AIR TANK MATERIAL & FINISH	ALUMINUM AIR TANK
S	AIR DRYER	MACK AIR DRYER, NON-CONTINUOUS
	LEFT FRAME FREE SPACE (KAX)	19.7" (500mm) FREE FRAME SPACE ON THE LH FRAME RAIL
	RIGHT FRAME FREE SPACE (KAX)	29.5 (750mm) FREE FRAME SPACE ON THE RH FRAME RAIL
	CHASSIS PACK CALC VERIFICATION (KAX)	CHASSIS PACKAGING CALCULATION VERIFICATION, EXECUTED OK

TRAILER or BODY CONNECTIONS		DESCRIPTION
	GROUND TO 5TH WHEEL TOP HGT.	1245MM (49") GROUND TO 5TH WHEEL TOP HEIGHT
	FIFTH WHEEL	AIR 24" SLIDING - HOLLAND FW35, LH AIR RELEASE, STEEL ANGLES
S	FIFTH WHEEL POSITION	0" DIRECTLY OVER WHEELBASE ENDPOINT
	FIFTH WHEEL LEG-HEIGHT (KAX)	200MM (7.87"), FIFTH WHEEL LEG-HEIGHT
	TRAILER CONNECTION	SIDE FAIRING, 1 SPRING HANGER
S	ELECTRICAL RECEPTACLE TYPE 12V	EL RECEPT 12V SAEJ560
	TRAILER BRAKE HOSES & CABLES	TRAILER BRAKE HOSE COILED SHORT 12' (3650mm)
S	GLAD HANDS	GLADHAND, POLARIZED ALUMINUM, BLACK SEALS
S	TRAILER BRAKE CONTROL	TRAILER BRAKE PROPORTIONAL CONTROL, FULL PRESSURE
S	PNEUMATIC DIST CENTER LOCATION	PNEUMATIC DISTR CENTER LOCATION, INSIDE FRAME
S	BODY BUILDER MODULE GENERATION	BODY BUILDER MODULE GENERATION 1
S	BODY BUILDER ELECTRICAL CENTER & BB MODULE	BBEC (12V), W/O BODY BUILDER MODULE
	BODY BUILDER ELECTRICAL INTERFACE	3-PIN CONNECTOR
	SWITCHES FOR BODY BB ELECTRICAL INTERFACE	TWO FLEX SWITCHES FOR BODY BUILDER INTERFACE
	AUXILIARY CIRCUITS, CHASSIS MOUNTED	ONE 2-PIN CHASSIS CONNECTOR W/ TWO HARDWIRED SWITCHES

TECHNICAL SPECIFICATION *(cont.)*



ADVANCED DRIVER ASSISTANCE SYSTEMS		DESCRIPTION
	DRIVER MONITORING SYSTEM	PREP KIT FOR LYTX DRIVER MONITORING SYSTEM
	EMERGENCY CALL (E-CALL 911)	E-CALL 911, AUTO ENABLED WITH MANUAL PUSH BUTTON
	MACK PROTECT	MACK PROTECT PREMIER
	LANE SUPPORT SYSTEM DEACTIVATION	LANE SUPPORT SYSTEM WITH DEACTIVATION SWITCH
	FORWARD COLLISION WARNING DEACTIVATION	FORWARD COLLISION WARNING DEACTIVATION
S	ACC TIME GAP CONFIG SETTING	ADAPTIVE CRUISE CONTROL ADJUSTABLE TIME GAP CONFIGURATION 1
	ROAD SIGN RECOGNITION SYSTEM	ROAD SIGN RECOGNITION SYSTEM
	ACTIVE STEERING SYSTEM	COMMAND STEER WITH PERSONAL SETTINGS
	LANE CHANGE SUPPORT	LANE CHANGE SUPPORT & BLIND SPOT, BOTH SIDES, W/ DEACTIVATION
	DRIVER AWARENESS SUPPORT	DRIVER AWARENESS SUPPORT, WITH DEACTIVATION
	CAMERA MONITORING SYSTEMS	BACK-UP CAMERA WITH ADDITIONAL CAB-MOUNTED DIGITAL CONNECTIONS + ADDITIONAL CHASSIS-MOUNTED ANALOG
	AIRBAGS	DRIVER FRONT AIRBAG + SIDE CURTAIN AIRBAGS (both sides)
	BACK-UP ALARM	BACK UP ALARM 87/112 DB ECCO SMART (ADJ TO AMBIENT SOUND)

POWER TAKE OFFS - including PTO PROGRAMMABLE FEATURES		DESCRIPTION
S	PTO, TRANSMISSION MOUNTED	REAR PTO TRANSMISSION, PREP KIT ELECT OVER AIR
S	AMT/AUTOMATIC TRANS SPLITSHAFT CONTROL	TRANSMISSION PTO FUNCTION, BASIC WITHOUT SPLITSHAFT CONTROL
S	TRANSMISSION PTO 1 SPLITTER RANGE	TRANSMISSION PTO 1 SPLIT GEAR RANGE, REMOTE CONTROL ENABLED
S	TRANSMISSION PTO 2 SPLITTER RANGE	TRANSMISSION PTO 2 SPLIT GEAR RANGE, REMOTE CONTROL ENABLED

CAB - INTERIOR		DESCRIPTION
	INTERIOR TRIM LEVELS	ELITE TRIM LEVEL FOR 76" HIGH ROOF SLEEPER
	CLIMATE, HEATING & COOLING	INTEGRATED PARKING COOLER W/ 17200 BTU DIESEL FIRED PARKING HEATER + COOLANT HEATER, 76" HR SLEEPER
	DAYTIME RUNNING LIGHT OVERRIDE	DRL OVERRIDE SWITCH
	STEERING WHEEL ADJUSTMENT	3-POSITION COMFORT STEERING
S	INTERIOR GRAB HANDLES	INTERIOR DOOR GRAB HANDLE FINISH, BLACK
S	CABIN AIR FILTRATION	STANDARD CABIN AIR PARTICLE FILTER
	SEAT - DRIVER'S	LEATHER, AIR SUSP _w /AIR ADJ SHCKS, HI BACK/WIDE WIDTH, 4CHMBR AIR LUMBR+MASSAGE, HEATD/VENTD,w/BOLSTR
	SEAT - PASSENGER'S	LEATHER, AIR SUSP _w /AIR ADJ SHCKS, HI BACK/WIDE WIDTH, 4CHMBR AIR LUMBR+MASSAGE, HEATD/VENTD,w/BOLSTR
S	SEAT BELT(S)	ALL SEAT BELTS, BLACK
	AUDIO ACCOMMODATION	HIGH LEVEL AUDIO SYSTEM + SECONDARY INFORMATION DISPLAY, WITH NAVIGATION PLUS
	SPEAKERS / AMPLIFIER	SPEAKERS IN DASH, DOOR, & REAR OF CAB, WITH 400WATT, 8 CHANNEL AMPLIFIER & SUBWOOFER
	WIRELESS CHARGING	WIRELESS CHARGING, IN-DASH AND SLEEPER
	FIRE EXTINGUISHER	5LB (ABC RATED) MOUNTED IN LUGGAGE COMPARTMENT LEFT HAND SIDE
	EMERGENCY KIT LOCATION	EMERGENCY KIT LOCATION, LUGGAGE COMPARTMENT, RH
S	SPEEDOMETER GRADUATION (MPH / KMH)	SPEEDOMETER GRADUATION, MPH
	DOOR LOCK AND IGNITION SWITCH PACKAGE	HIGH LEVEL REMOTE KEY FOB (2 fobs) WITH PUSH-BUTTON IGNITION
S	KEY CUT OPTIONS	ALL CHASSIS KEYED AT RANDOM (M-000)
S	WINDOW LIFT	AUTO UP/DOWN IMPULSIVE BOTH SIDE
	AUXILIARY PNEUMATIC OUTLET IN CAB	AUXILIARY PNEUMATIC OUTLET, IN CAB

TECHNICAL SPECIFICATION *(cont.)*



CAB - SLEEPER	DESCRIPTION
INVERTER / SHORE POWER	120V/1800W INVERTER MOUNTED IN SLEEPER STORAGE COMPARTMENT, W/SHORE POWER
CURTAINS (Cab and Sleeper)	INSULATED WINDSHIELD AND BUNK CURTAIN, 76" HIGH ROOF SLEEPER
MAT IN SLEEPER COMPARTMENT	CARPETED SLEEPER MAT W/ CARPETED CENTER BETWEEN SEATS
SLEEPER CONTROL PANEL	LUXURY VERSION SLEEPER CONTROL PANEL
LOWER BUNK AND DESK PACKAGE	FLEXSUITE BUNK W/ PREMIUM MATTRESS, & DESK, 76" HIGH ROOF SLEEPER
UPPER BUNK OR UPPER SHELF	FOLDABLE UPPER BUNK + MATTRESS + LADDER, W/ STORAGE, 76" HIGH ROOF SLEEPER
PASSENGER'S SIDE (RH) CABINET PACKAGE (Upper & Lower, inc Microwave / Refrigerator)	PASSENGER'S SIDE UPPER CABINET, MICROWAVE PREP-KIT, w/ REFRIGERATOR, 76" HIGH ROOF SLEEPER
TV EQUIPMENT PREP	TV EQUIPMENT PREP KIT
DRIVER'S SIDE (LH) CABINET PACKAGE (Upper & Lower)	DRIVER'S SIDE LOWER WARDROBE CABINET w/ STORAGE BINS, + UPPER CABINET, 76" HIGH ROOF SLEEPER
INTERIOR LIGHTING	INTERIOR LIGHTING, PREMIER WITH DIMMER
CABINET LIGHTS	CABINET LIGHTS

CAB EXTERIOR	DESCRIPTION
EXTERIOR TRIM PACKAGE	CHROME, PAINTED (PIONEER MODELS)
S CAB INSTEP VERSION	CAB STEP, BASIC
CAB MIRROR PACKAGE	STANDARD AERO - CAB COLOR, HEATED & MOTORIZED, WITH DIRECTIONAL INDICATORS, W/O LAMPS
S CLOSE VIEW MIRROR, SIDE OF CAB	WITHOUT CLOSE VIEW MIRROR, SIDE
HOOD MIRROR PACKAGE	HEATED AERO HOOD MIRROR, CAB COLOR, BOTH SIDES
S HORN - AIR	(1) BLACK TWIN TRUMPET, UNDER CAB MOUNTED
S WIPER BLADE STYLE	WIPER BLADE, ARCTIC
AUTO HEADLAMPS & WIPERS	WITH AUTOMATIC HEAD LAMP SWITCHING - LOW BEAM w/ AUTO HIGH BEAM DEACTIVAT; & RAIN SENSING WIPERS
S DOOR GLASS TYPE	TEMPERED DOOR GLASS
S FRONT BUMPER	3-PIECE AERO BUMPER, PLASTIC MOLDED COLOR CENTER & PAINTED CORNERS, WITH SPOILER
FOG & CORNERING LAMPS	WHITE FOG LAMPS; WITH CORNERING LAMPS
S TAIL, BACKUP, AND PLATE LAMPS	IN CLOSING CROSSMEMBER, OVAL SHAPED
AUXILIARY BACK-UP LAMP	BACK-UP LAMP, DUAL HIGH MOUNTED INSIDE OF CAB SIDE FAIRINGS
WORKING LAMP	WORKING LAMP CAB BACK, 2 LAMPS, WHITE, RECESSED, HIGH MTD.
FUEL PERMIT PLATE	PERMIT PLATE, POLISHED SS (FOR LEGAL PERM ADHESIVES)
S LICENSE PLATE HOLDER, FRONT	LICENSE PLATE HOLDER, FRONT, SINGLE PLATE
S BUG NET	BUG NET, SINGLE, BEHIND THE GRILLE

AERODYNAMIC DEVICES	DESCRIPTION
FRONT WHEEL OPENING	BASIC FRONT WHEEL OPENING
AERODYNAMIC DEVICES, CAB	ROOF 4.1M (13'-6"), CAB SIDE SHIELDS +12" (300mm) EXTENSIONS (76" HIGH ROOF SLEEPER)
AERODYNAMIC CHASSIS FAIRINGS PACKAGE	CHASSIS FAIRINGS PAINTED WITH GROUND EFFECTS

WHEELS & TIRES	DESCRIPTION
TIRES BRAND/TYPE - FRONT	11R22.5 H MICHELIN X LINE ENERGY Z (13220 lbs) (Total for QTY = 2)
WHEELS - FRONT	22.5x8.25 ALCOA 88067x HIGH POLISHED ALUMINUM, 6.60" OFFSET, 10 HAND HOLE (Total for QTY = 2)
FRONT WHEEL & HUB TRIM	FRONT HUB TRIM, 1-PIECE COVER, CHROME
TIRES BRAND/TYPE - REAR	11R22.5 H MICHELIN XDN2 (24020 lbs) (DRIVE ONLY) (Total for QTY = 8)

TECHNICAL SPECIFICATION *(cont.)*



WHEELS & TIRES		DESCRIPTION
	WHEELS - REAR	22.5x8.25 ALCOA 88067x HIGH POLISHED ALUMINUM, 6.60" OFFSET, 10 HAND HOLE (Total for QTY = 8)
	REAR WHEEL & HUB TRIM	REAR HUB TRIM, 1-PIECE COVER, CHROME - 2 DRIVEN AXLES
S	HUB/WHEEL ISOLATORS	WITHOUT HUB/WHEEL ISOLATORS
	TIRE INFLATION VALVE CAP	TIRE INFLATION VALVE CAP, FLOW THRU CAP, MYERS V2B
S	SPARE WHEEL WITH TIRE	WITHOUT SPARE WHEEL AND TIRE
	TIRE MONITORING SYSTEM	TIRE MONITORING SYSTEM, ADVANCED

COMMUNICATION SYSTEMS		DESCRIPTION
S	TELEMATIC GATEWAY	TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES
S	CB RADIO MOUNTING AND ANTENNA	CB PREP-KIT FOR OVERHEAD MOUNTING (no CB antenna)

PROGRAMMABLE FEATURES - ENGINE / TRANSMISSION		DESCRIPTION
S	TRANSMISSION DRIVE MODE PACKAGES, mDRIVE	mDRIVE- EZ SHIFT - EMAX, ECON, & PERF DRIVE MODES, AUTO RETURN - PREMIUM SHIFTER
	TRANSMISSION KICK-DOWN MODE	TRANSMISSION KICK-DOWN MODE, ECONOMY ONLY
S	OIL PRESSURE, ENGINE SHUTDOWN	LOW OIL PRESSURE ENGINE SHUTDOWN
S	COOLANT TEMP, ENGINE SHUTDOWN	HIGH COOLANT TEMPERATURE ENGINE SHUTDOWN
S	IDLE SHUTDOWN	ENGINE IDLE SHUTDOWN, DISABLE
S	ENGINE IDLE CONTROL	IDLE CONTROL, 600 RPM
S	MAXIMUM ENG SPEED AT 0 MPH	MAXIMUM ENGINE SPEED AT 0 MPH, 1000 RPM

PROGRAMMABLE FEATURES - VEHICLE		DESCRIPTION
	ROAD SPEED LIMITER SETTING	ROAD SPEED LIMIT, 70 MPH (113 KMH)
S	PEDAL ROAD SPEED LIMIT SETTING	PEDAL ROAD SPEED LIMITER, 63 MPH (101 KMH)
S	CRUISE CONTROL	CRUISE CONTROL
S	CRUISE CONTROL MAX SPEED	MAXIMUM CRUISE, 65 MPH (105 KPH)
S	CRUISE CONTROL MIN SPEED	MINIMUM CRUISE, 20 MPH (32 KPH)
	DAYTIME RUNNING LAMPS	DAYTIME RUNNING LAMPS WITH TAIL LAMP ACTIVATION
S	DRL OVERRIDE SPEED THRESHOLD	DRL OVERRIDE SPEED THRESHOLD 8 KMPH (5 MPH)
S	AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN THRESHOLD, 60 DEG F (16 DEG C)
S	AMBIENT TEMP MAX TRESHOLD	AMBIENT TEMP MAX THRESHOLD, 80 DEG F (27 DEG C)
S	POWER DIVIDER LOCKOUT ENABLE / DISABLE	ENABLE POWER DIVIDER LOCKOUT ROAD SPEED LIMIT
S	POWER DIVIDER LOCKOUT ROAD SPEED LIMIT	POWER DIVIDER LOCKOUT ROAD SPEED LIMIT, 5 MPH (8 KMH)
S	SERVICE ALERT SYSTEM	WITHOUT SERVICE ALERT SYSTEM

PAINT		DESCRIPTION
S	PAINT DESIGN	SINGLE COLOR PAINT (NO BREAKS)
S	PAINT - COLOR BREAK PRICING	1 SINGLE COLOR, 0 BREAKS
S	PAINT TYPE	SOLID PAINT
	PAINT COLOR - FIRST COLOR	ARCTIC WHITE (MACK EXCLUSIVE COLOR); 932845
S	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR
S	PAINT COLOR - THIRD COLOR	NO THIRD TRUCK COLOR PROVIDED; NO COLOR
S	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT
S	CAB COLOR	SAME AS FIRST COLOR - CAB

TECHNICAL SPECIFICATION *(cont.)*



N4838

PAINT		DESCRIPTION
S	HOOD COLOR	SAME AS FIRST COLOR - HOOD
S	COWL COLOR	SAME AS FIRST COLOR - COWL
	SLEEPER ROOF COLOR	SAME AS FIRST COLOR - SLEEPER ROOF
	ROOF FAIRING COLOR	WITHOUT ROOF FAIRING
	BUMPER	SAME AS FIRST COLOR - BUMPER
	CHASSIS FAIRING COLOR	SAME AS FIRST COLOR - CHASSIS FAIRING
	CAB MIRROR COVER COLOR	SAME AS FIRST COLOR - CAB MIRROR COVER
	HOOD MIRROR COVER COLOR	SAME AS FIRST COLOR - HOOD MIRROR COVER
S	CHASSIS RUNNING GEAR	MACK BLACK (60 GLOSS); 250-12370

CALCULATED CODES - KAX		DESCRIPTION
S	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED
S	FLEXIBLE SWITCH AREA CALC.	FLEXIBLE SWITCH AREA CALCULATION

BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION
S	VEHICLE WARRANTY TYPE	NORMAL DUTY WARRANTY CLASSIFICATION
S	BASIC CHASSIS COVERAGE	NORMAL DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (160,934 KM)
S	EMISSION - SURCHARGE	EPA (only) for Mack MP13 Diesel
S	ENGINE WARRANTY	MACK MP13 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES (402,000KM)
S	EMISSION COMPONENT COVERAGE	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 60 MONTHS/100,000 MILES (161,000 KM)
S	TRANSMISSION WARRANTY	60 MO OR 750K MI: mDRIVE TRANSMISSION NORMAL DUTY COVERAGE
S	CARRIER & AXLE HOUSING WARRANTY	STANDARD VENDOR NORMAL / HEAVY DUTY COVERAGE 36 MONTHS/350,000 (563,00 KM)
S	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES

CONNECTED SERVICES		DESCRIPTION
S	MACK INTEGRATED UPTIME	MACK INTEGRATED UPTIME - 60 MONTHS
S	MY MACK	MY MACK - 60 MONTHS
	MACK CONNECT LOCATION & REPORTING	MACK CONNECT LOCATION & REPORTING - 60 MONTHS
S	FLEET INTEGRATION	WITHOUT FLEET INTEGRATION
S	PARTNERED SERVICES	NO PARTNERED SERVICES PROVIDED
	SYGIC NAVIGATION PLUS	NAVIGATION PLUS - 24 MONTHS

Z_NOT CURRENTLY IN-USE		DESCRIPTION
S	IDLE S/D OVERRIDE %ENGINE LOAD	IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD
S	ENGINE LOAD IN PTO	ENGINE IDLE SHUTDOWN, DISABLE



VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Dwg Ref	Length	UOM
Front Frame Extension	FE	0.0	INCHES
Bumper to Front Axle	BA	54.7	INCHES
Eff. Bumper to Front Axle	EBA	54.7	INCHES
Wheelbase	WB	237.6	INCHES
Rear Overhang	OH	57.5	INCHES
Overall Length	OL	349.8	INCHES
Bumper to Back of Cab	BBC	188.9	INCHES
Eff. Bumper to Back of Cab	EBBC	196.9	INCHES
Eff. Cab to Rear Axle	ECA	95.3	INCHES
Eff. Front Axle to Back of Cab	EAC	142.3	INCHES
Eff. Cab to End of Frame	ECEF	152.8	INCHES
Unladen 5th Wheel Height	5W	49.0	INCHES
Unladen Frame Height	FH	41.3	INCHES
Cab Height	CH	118.9	INCHES
Overall Height	OVH	160.2	INCHES
Driver CG	DCG	55.1	INCHES
BOGIE SPREAD, 1370MM (54.0")	BS	53.9	INCHES

