

TECHNICAL SPECIFICATION

PINNACLE 64T SLEEPER 70INCH



MODEL DEFINING		DESCRIPTION
S	PRICE BOOK LEVEL	2025A Pricebook
S	VOLTAGE	ELECTRICAL SYSTEM 12 VOLT

APPLICATION PACKAGES		DESCRIPTION
	CHASSIS CONFIGURATION PACKAGE	ONEBOX EATS, DUAL BATTERY BOX, 18.4 GALLON (70L) DEF, DUAL 26" FUEL TANKS

CUSTOMER/VEHICLE INFO		DESCRIPTION
S	CHASSIS (BASE MODEL)	PINNACLE 64T SLEEPER 70INCH
S	ASSEMBLY PLANT	Made in Macungie, PA USA
	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND
S	ORDER TYPE REQUIREMENTS	RETAIL OR STOCK - CUSTOM SPECIFICATIONS
S	TYPE OF SERVICE	COMMERCIAL
S	WARRANTY REGISTRATION LOCATION	CANADA - WARRANTY REGISTRATION LOCATION
	EMISSION WARRANTY CERTIFICATION	EPA (only) for Mack MP7 / MP8 Diesel
	INTENDED REGISTRATION LOCATION	ALBERTA
S	INITIAL REGISTRATION LOCATION	CANADA REGISTRATION
	BRAND ORNAMENT	BULLDOG, CHROME
S	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH
	VEHICLE USE & BODY/TRAILER TYPE	B-TRAIN TANKER TRAILERS
S	TRANSPORT CYCLE	LESS THAN ONE DELIVERY OR PICK-UP OF GOODS EVERY 50KM
	GROSS COMBINATION WEIGHT (CA in PC29 only)	110,000 LB (50 TONNES) GROSS COMBINATION WEIGHT
S	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 76M (250FT)
	TOPOGRAPHY	GRADES <3% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 8%
S	AMBIENT TEMP UPPER LIMIT (GTA)	AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS PER YEAR
S	OPERATING TERRAIN GRADE CONDITIONS	ON HIGHWAY, STARTING GRADES<16%
S	LOADING SURFACE FACTOR	CONCRETE LOADING AND / OR UNLOADING SURFACE
	VEHICLE VOCATION	HEAVY LINEHAUL

ENGINE/TRANSMISSIONS		DESCRIPTION
	ENGINE PACKAGE, COMBUSTION	MP8-505C+ (VC) MACK 505HP @ 1400-1700 RPM (PEAK) 2100 RPM (GOV) 1900 LB-FT, US'21
S	GEAR SELECTION TUNING	BASIC, GEAR-SELECTION TUNING
S	GHG APPLICATION, VEHICLE	GREEN HOUSE GAS HIGHWAY APPLICATION
	TRANSMISSION	MACK TMD13AFO-HD mDRIVE HD 13 SP, CREEPER/ MULTI-SPEED REVERSE (OVERDRIVE)
S	GEARBOX 12TH GEAR LOCK-OUT	WITHOUT 12TH GEARBOX GEAR LOCK-OUT

EXHAUST/EMISSIONS		DESCRIPTION
	NOX LIMITS	CARB LEGACY / EPA (200MG/HP/HR), 50 State Idle Compliance
S	IDLE EMISSION LABEL LOCATION (CA in PC29 only)	IDLE EMISSION LABEL LOCATION, LOWER LH CORNER OF DRIVER DOOR
S	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21
S	CHASSIS MOUNTED EMISSIONS FINISH	PAINTED DEF & DPF COVER
S	DIESEL EXHAUST FLUID TANK	18.4 GALLON (70 L) 26" LEFT SIDE FRAME MOUNTED

TECHNICAL SPECIFICATION *(cont.)*



EXHAUST/EMISSIONS		DESCRIPTION
	EXHAUST	DUAL VERTICAL INBOARD MOUNTED STRAIGHT EXHAUST STACK TURNED OUT
	EXHAUST STACK HEIGHT	13' 5" FROM GROUND
	EXHAUST SYSTEM MATERIAL FINISH	DUAL, BRIGHT FINISH HEAT SHIELDS, STACKS, ELBOWS
	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2024

ENGINE EQUIPMENT		DESCRIPTION
S	AIR CLEANER	UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD&FILTER MTD AIR RESTRICTION I
	BUG SCREEN	BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE AND EXTREME COLD WINTER FRONT COVER (-60F to -40F)
S	AIR COMPRESSOR/DRYER	WABCO HEATED SS-HP AIR DRYER W/ WABCO 636 (37.4 CFM) AIR COMPRESSOR
S	AIR DRYER POSITION (CA)	AIR DRYER POSITION STANDARD
S	ALTERNATOR	DELCO 12V 165A (36SI) BRUSHLESS W/ REMOTE VOLTAGE SENSING
	BATTERIES	(4) MACK 12V 730/2920 CCA THREADED STUD, DUAL PURPOSE
	BATTERY BOX - MOUNTING (x)	ONE BATTERY BOX EACH RAIL (LH/RH) UNDER CAB
	BATTERY BOX COVER	POLISHED ALUMINUM
	BATTERY DISCONNECT SWITCH	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE
	STARTER MOTOR	12 VOLT MELCO STARTER (MITSUBISHI ELECTRIC)
	ENGINE BRAKE	MACK MP8 POWERLEASH
S	ENGINE BRAKE LIGHTING (CA)	VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON SERVICE BRAKE APPLICATION ONLY(3899000)
S	ENGINE BRAKE ACTIVATION	ENGINE BRAKE ACTIVATION, BASIC
S	FAN DRIVE	BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE
S	COOLANT PROTECTION	ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER
S	HOSES - RADIATOR/HEATER	SILICONE RADIATOR AND HEATER HOSES
S	FUEL-WATER SEPARATOR	MACK W/MANUAL DRAIN VALVE V2 (INTEGRAL W/ PRIMARY FUEL FILTER)
S	PRIMARY FUEL FILTER POSITION (CA)	STANDARD FUEL FILTER POSITION
	ENGINE HEATERS	GRID HEATER + 120v 1500w BLOCK HEATER (120V-15A PLUG)
S	OIL SUMP	OIL PAN
S	TETHER DEV PKG, CAPS & COVERS	FURNISH CAP RETAINER FOR OIL FILL & RADIATOR OVERFLOW TANK
S	ENGINE STOP, EMERGENCY (CA in PC29 only)	WITHOUT ENGINE STOP, EMERGENCY
	BATTERY PROTECTION	INTEGRATED LOW VOLTAGE DISCONNECT

CLUTCH/TRANS EQUIPMENT		DESCRIPTION
S	GEAR SHIFTER	MACK mDRIVE-PREMIUM SHIFTER
S	CLUTCH	ZF/SACHS SINGLE PLATE 17" (430MM) ORGANIC MATERIAL
S	CLUTCH ACTUATION SYSTEM & PEDAL PAD	WITHOUT CLUTCH CABLE SYSTEM
	MINIMUM REQUIRED PROP SHAFT SIZE	MINIMUM REQUIRED FOR KAX PROP SHAFT, PROPS2XL
	DRIVELINE - MAIN	MERITOR RPL35-SD, WITH CROSS SERRATED YOKE (PROPS2XL)
	DRIVELINE - INTERAXLE	MERITOR RPL25
	PROPELLR SHAFT MAIN, UNVSL JNT	UNIVERSAL JOINT CROSS SERRATED YOKE
S	PROP SHAFT INTERAXL UNIV JOINT	HALF-ROUND UNIVERSAL JOINT
S	TRANSMISSION OUTPUT TORQUE	TRANSMISSION OUTPUT TORQUE BASIC
	LUBRICANTS, TRANSMISSION	75W - 90 (SYNTHETIC LUBRICANT)
S	TRANSMISSION OIL COOLER	MACK mDRIVE TRANSMISSION OIL COOLER MOUNTED LH SIDE OIL TO WATER COOLER
	HILL START ASSIST	GRADE GRIPPER

TECHNICAL SPECIFICATION *(cont.)*



FRONT AXLE EQUIPMENT		DESCRIPTION
	FRONT AXLE	13200# (6000 KG) MACK FXL13.2 STRAIGHT SPINDLE/UNITIZED BEARINGS
	SPRINGS - FRONT	MACK TAPERLEAF 13200# (6000 KG) GROUND LOAD RATING, EQUAL BIAS
S	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 5" Q+
S	BRAKE, FRONT	CAST IRON
	FRONT AXLE BRAKE DUST SHIELD	DUST SHIELDS FOR FRONT AXLE
	FRONT BRAKE ADJ. MANUFACTURE	MERITOR - AUTOMATIC
S	FRONT BRAKE CHAMBER MFG.	FRONT BRAKE CHAMBER MANUFACTURER, HALDEX
S	HUB MATERIAL, FRONT	ALUMINUM
S	FRONT AXLE LUBRICANT	FRONT AXLE LUBE, FAG NLGI2 GREASE
S	STEERING	TRW THP60 POWER

REAR AXLE EQUIPMENT		DESCRIPTION
	REAR AXLE	46000# (20900kg) MERITOR RT46-160
S	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE
	LUBE PUMP, REAR AXLE	LUBE PUMP AND FILTER
S	DRIVE AXLE LUBRICANT	DRIVE AXLE LUBE, SHELL 75W90 SYNTHETIC OIL
S	CARRIER - REAR AXLE	VENDOR AXLES
	TRACTION DIFFERENTIAL	INTERWHEEL DIFFERENTIAL LOCK, ALL REAR AXLES w/ INDEPENDENT SWITCHES
S	POWER DIVIDER LOCKOUT	INTERAXLE POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT
	REAR AXLE RATIO	3.42 RATIO
	REAR SUSPENSION	MACK AL-461 AIR 46,000 lb (NOT FOR USE WITH AIR DISC BRAKES)
S	BOGIE SPREAD, REAR	52" AXLE SPACING (BOGIE WHEELBASE)
S	SUSPENSION LEVELLING DEVICE (CA in PC29 only)	ELECTRICAL REGULATION LEVELING DEVICE
S	AIR SUSPENSION DUMP WARNING	AIR SUSPENSION DUMP, SPEED LIMITED, WARNING INDICATOR & BUZZER
S	REAR SHOCK ABSORBER	REAR SHOCK ABSORBER
S	TRANSVERSE TORQUE RODS, R SUSP	TRANSVERSE TORQUE ROD - ALL AXLES
S	AUX.SPRING BRAKE QTY	AUX SPRING BRAKE QTY, 4 CHAMBERS
	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+ (Total for QTY = 2)
S	BRAKE, DRIVE, REAR	CAST IRON
	REAR BRAKE ADJ MANUFACTURE	MERITOR - AUTOMATIC (Total for QTY = 2)
	REAR BRAKE CHAMBER SIZE	REAR SPRING BRAKE CHAMBERS 30/30 TYPE
	BRAKE ORI REAR-MOST DRIVE AXLE	DRUM BRAKE CHAMBER ORIENTATION: Middle Mount - Forward of Axle - Chamber Up
S	PARKING BRAKE CHAMBER	HALDEX "GOLD SEAL PLUS" (3" STROKE) BRAKE CHAMBERS (Total for QTY = 2)
S	HUB MATERIAL, DRIVE	ALUMINUM PRESET REAR HUB W/INTEGRATED SPINDLE NUT
S	ANTILOCK BRAKE SYSTEM	MACK ROAD STABILITY ADVANTAGE BENDIX ABS/ATC/ESP W/YAW CONTROL 4S4M
S	BRAKE VALVE VERSION	BENDIX SWITCHES AND VALVES WHERE POSSIBLE
S	SPRING BRAKE INVERSION VALVE	TRACTOR SPRING BRAKE INVERSION VALVE

FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION
	WHEELBASE	243"
	AF (OVERHANG)	62"
S	FRAME RAILS & LINERS	9.5 x 90 x 300mm - (0.37" x 3.54" x 11.81"); RBM 2,470,000 LB-IN
S	CROSSMEMBERS	STEEL
S	REAR CROSSMEMBER OPTIONS	BOXED AND TAPERED CLOSING CROSSMEMBER FOR USE W/ BUILT IN TAIL LAMPS
S	REAR FRAME TREATMENT	FURNISH TAPERED & FLANGED FRAME RAIL ENDS (28 DEG) FOR USE W/BUILT IN TAIL LAMPS

TECHNICAL SPECIFICATION *(cont.)*



FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION
S	MUDFLAP HANGERS, REAR AXLE	BETTS B87 SERIES WITH CONSPICUITY FEATURE (FMVSS 108)
S	MUDFLAP, FRONT AXLE	BLACK POLYARMOUR (NO NAME TO APPEAR ON FLAP) (NOT ANTI-SPRAY TYPE)
S	FRONT BUMPER	FLUSH-STAINLESS CLAD ALUMINUM
	FUEL LEVEL SENDER UNIT, LIQUID	FURNISH ELECTRONIC FUEL LEVEL SENDER ILO MECH
	FUEL TANK - LH	117 GALLON (445 L) 26" ALUMINUM ROUND
	FUEL TANK - RH	117 GALLON (445 L) 26" ALUMINUM ROUND
	FUEL TANK POLISH OPTION	POLISHED ALUMINUM
S	FUEL HOSES, LIQUID	BRAIDED HOSE
S	FUEL FILLER NECK OPTIONS	WITHOUT FILLER NECK SCREEN, WITH NON-LOCKABLE FUEL TANK CAP
	FUEL LINE OPTIONS, LIQUID	DUAL DRAW AND RETURN FUEL SYSTEM
S	CAB INSTEP VERSION	STANDARD 2 STEP CAB ACCESS
S	STEPS (BRIGHT) - FUEL TANK	STANDARD FINISH STEPS AND BRIGHT FINISH STRAPS
	QUARTER FENDERS	STAINLESS STEEL QUARTER FENDERS

AIR/BRAKE		DESCRIPTION
S	AIRTANK DRAIN VALVE	MANUAL DRAIN VALVES, WITH LANYARD ON SUPPLY TANK ONLY
	AIRTANK MATERIAL	ALUMINUM AIR TANK, POLISHED ALUMINUM FINISH
S	RELOCATE AIR RESERVOIRS	W/O RELOCATED AIR TANKS
S	PARKING BRAKE VALVE	TWO (2) VALVE DUAL BRAKE SYSTEM - TRAILER SUPPLY AND TRACTOR-TRAILER PARK

ELECTRICAL		DESCRIPTION
	BACK-UP ALARM	ECCO BACK-UP ALARM 575 CONSTANT SOUND LEVEL 107 dB
	DASH MOUNTED SWITCHES	TWO (2) EXTRA DASH MOUNTED ILLUMINATED SWITCHES
	AUX. FOG LAMP	FOG LAMPS (ROUND)
S	ROOF & SIDE MARKER LIGHTS	(5) ROOF MARKER LAMP & STANDARD MARKER / DIRECTIONAL SIGNAL
S	HEADLAMP BULB TYPE	HEADLAMP BULB TYPE, LED
S	DAYTIME RUNNING LIGHTS	W/OVERRIDE SWITCH, PARK BRAKE & ENGINE RUNNING ACTIVATED
S	DRL OVERRIDE SPEED THRESHOLD	DRL OVERRIDE SPEED THRESHOLD 8 KMPH (5 MPH)
S	TAIL LAMPS	LED STOP & TAIL LAMPS W/BACKUP LAMP & LICENSE PLATE MTD IN CLOSING CROSSMEMBER
	WORK LIGHTS - CHASSIS MOUNTED	RH/LH LED WORK LIGHT (STEPS & GROUND) ON BOTH SIDES TRUCK

TRAILER CONNECTIONS		DESCRIPTION
	FIFTH WHEEL	AIR - HOLLAND FW35 ILS SERIES, LH RELEASE (AVAIL: 6.81",7.80",8.82",9.80")
S	5TH WHEEL MOUNTING BRACKETS	SLIDING 5TH WHEEL MTG, 24" TRAVEL
S	FIFTH WHEEL ANGLE MATERIAL	STEEL FIFTH WHEEL ANGLES
S	5TH WHEEL ANGLE THICKNESS	5TH WHEEL ANGLE, 10MM THICKNESS
S	5TH WHEEL OFFSET	50" BOGIESPREAD = -1" OFFSET, 52" BS = 0", 54" BS = 1", 55" BS = 1.5", 4x2 = - 26"
	RAMP (SLIDE MEMBER)	BASIC RAMP
	GROUND TO 5TH WHEEL TOP HGT. (CA in PC29 only)	1320MM (52") GROUND TO 5TH WHEEL TOP HEIGHT
	FIFTH WHEEL LEG-HEIGHT (KAX Result)	249MM (9.81"), FIFTH WHEEL LEG-HEIGHT (SELECTED BY KAX)
S	TRAILER GLAD HAND COUPLINGS	GLAD HAND COUPLINGS - NORTH AMERICAN STD
S	TRAILER BRAKE VALVE	HAND CONTROL VALVE FOR TRAILER BRAKES W/ AIR CONNECTIONS OR SERVICE BRAKES W/O AIR CONNECTIONS
S	TRAILER CONNECTION POSITION	TRAILER AIR BRAKE CONNECTIONS, BACK OF CAB
S	TRAILER ACCESS PACKAGE	LOW PROFILE DECK PLATE

TECHNICAL SPECIFICATION *(cont.)*



TRAILER CONNECTIONS		DESCRIPTION
S	TRAILER BRAKE HOSEHANGER	HOSE TENDER, POGO STICK (CHASSIS MOUNTED)
	TRAILER ELECTRICAL RECEPT	SINGLE, 7 PIN SAE HOT CENTER PIN, DASH MOUNTED SWITCH BATTERY FEED, BACK OF CAB
S	TRAILER BRAKE HOSES & CABLES	TRAILER AIR HOSES (12' NON-COILED TYPE)
	TRAILER HOOKUP LIGHT	SINGLE INCANDESCENT FLUSH MTD LOWER LHS & DUAL INCANDESCENT OUTBOARD MTD ON SIDE SHIELDS
S	TRAILR ELECTRICAL CABLE CONFIG	TRAILER ELECTRICAL CORD (12' NON-COILED TYPE)
S	TRAILER CONNECTORS HOLDER	ELECTRICAL PLUG HOLDER (INCLUDES GLAD HAND STORAGE)

PTO	DESCRIPTION
CA	PTO - REAR MOUNTED
	PTR-DM, Single RH: DIN 5462 (INNER)
S	AMT/AUTOMATIC TRANS PTO FUNCT.
	TRANSMISSION PTO FUNCTIONS BASIC

SPECIALTY EQUIPMENT	DESCRIPTION
S	AUXILIARY POWER UNIT
	WITHOUT AUXILIARY POWER UNIT
S	LANE SUPPORT SYSTEM (LSS)
	WITHOUT LANE SUPPORT SYSTEM
S	DATA CAPTURE
	WITHOUT DATA CAPTURE
S	CAMERA, SURVEILLANCE
	WITHOUT CAMERA

CAB INTERIOR (A THRU G)		DESCRIPTION
S	SPEEDOMETER -&- GAUGES - UNIT(S) OF MEASURE	METRIC PREDOMINANT - ROADSPEED W/U.S. UNITS FOR ALL OTHER GAUGES
	GUAGE - PACKAGE, SECONDARY	2ND GA PKG W/ENG OIL TEMP, TRANS OIL TEMP, PYRO, BOOST PRESS
	AUXILIARY PNEUMATIC OUTLET CAB (CA family in PC29 only)	AUX. INCAB PNEUMATIC LINE CLEANOUT
S	AIR CONDITIONING/HEATER	BLEND AIR HVAC W/"ATC" TEMP REGULATION
S	CUPHOLDER	CUPHOLDER
	DOME LAMP, INTERIOR	DOME LAMP,INT.,2EA SIDE,RED FLOOR LIGHTING & SW & PIPE LIGHT
	FIRE EXTINGUISHER	5LB (ABC RATED) MOUNTED BETWEEN DRIVER SEAT BASE AND DOOR VALVE AIMED REARWARD
S	FLOOR COVERING	POLYURETHANE FLOOR MAT W/ REMOVABLE INSERTS

CAB INTERIOR (H THRU R)		DESCRIPTION
S	INSTMNT CLUSTER LANGUAGE	DEFAULT: ENGLISH, SPANISH, FRENCH
S	KEY TYPES FOR DOORS	ALL CHASSIS KEYED AT RANDOM
	DOOR OPENING OPTIONS	ELECTRONIC KEYLESS ENTRY
S	FORWARD OVERHEAD STORAGE	FORWARD OVERHEAD STORAGE, SHELF
	AUDIO ACCOMMODATION	PREMIUM STEREO, AM/FM, MP3, WEATHER BAND, BLUETOOTH, SIRIUS/XM SATELLITE
S	ANTENNA - RADIO	48" ANTENNA RIGHT SIDE MIRROR MOUNTED
	ANTENNA - CB RADIO	48" ANTENNA LEFT SIDE MIRROR MOUNTED
S	AUDIO SHUTOFF	AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE
S	POWER LEADS	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE
S	AUDIO SPEAKER LOCATION	SPEAKER LOCATION, ABOVE AND IN DOORS, REAR WALL, SLEEPER
S	COM.RADIO PREP KIT (CB)	MOUNTING PLATE AND VELCRO STRAP IN HEADER CONSOLE
	REFLECTOR KIT	W/SLEEPER BOX FURNISH KIT MOUNTED LH LUGGAGE COMPARTMENT

CAB INTERIOR (S THRU Z)		DESCRIPTION
	INTERIOR TRIM LEVELS	PREFERRED TRIM PACKAGE, STEEL GRAY (Package 12A)

TECHNICAL SPECIFICATION *(cont.)*



CAB INTERIOR (S THRU Z)		DESCRIPTION
	SEAT - DRIVER'S	NATIONAL-AIR, WIDE WIDTH/HIGH BACK, 3 CHAMBER AIR LUMBAR, BOLSTER, W/ HEAT
	SEAT COVERING - DRIVER'S	DRIVER'S SEAT - BLENDED BLACK & GREY ULTRA LEATHER
	SEAT - PASSENGER'S	MACK-FIXED, HIGH BACK, W/ STORAGE BOX
S	SEAT COVERING - PASSENGER'S	PASSENGER'S SEAT - BLENDED BLACK & GREY VINYL
	SEAT SUPPORT, DUST COVER	SEAT, DUST COVER FOR DRIVER'S SEAT
	SEAT ARMREST	INBOARD MOUNTED ARM REST, DRIVER'S & RIDER'S SEAT
S	SEAT BELT(S)	LAP & SHOULDER (BOTH SEATS) CAB MOUNTED SHOULDER BELT ADJUSTMENT
S	SEAT BELT REMINDER	SEAT BELT REMINDER IN INSTRUMENT, WITH AUDIO
S	IGNITION TYPE	KEY TYPE
	STEERING WHEEL	2 SPOKE LEATHER GRIP, SATIN ALUMINUM SPOKES, WITH SWITCHES
S	WINDSHIELD TYPE	TWO PIECE WINDSHIELD
S	CAB GLASS	TINTED WINDSHIELD & SIDE WINDOWS
S	WINDSHIELD WIPERS	2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE

CAB - SLEEPER BOX		DESCRIPTION
S	SLEEPER BOX	70" STANDUP SLEEPER
S	CURTAIN	WITH BOTH WINDSHIELD/WINDOW AND SLEEPER BUNK CURTAINS
	INVERTER / SHORE POWER	120V/1800W INVERTER MOUNTED IN SLEEPER STORAGE COMPARTMENT, W/SHORE POWER
	REFRIGERATOR	REFRIGERATOR 49L, MOUNTED IN CAB
S	ALARM CLOCK, SLEEPER	SLEEPER BOX - DIGITAL ALARM CLOCK
	VIDEO EQUIPMENT	SLEEPER BOX - TV ANTENNA AND 12V OUTLET FOR TV TRAY
S	LOWER BUNK	LIFT-UP LOCKING LOWER BUNK W/ INNERSPRING MATTRESS (39" x 80")
S	STORAGE OVERHEAD BUNK	UPPER REAR WALL CABINET AND LOWER SHELF W/CUP HOLDERS
	EXIT DOOR, SLEEPER BOX	SLEEPER ACCESS DOOR WITH WINDOW
S	SLPR.BOX-HEATER/AIR COND.	HEATER / AIR CONDITIONING FOR SLEEPER BOX
	PARKING HEATER	WEBASTO AUX CAB HEATER MODEL AIR TOP 2000 ST
	LUGGAGE COMPARTMENT LOCK OPTION	LUGGAGE COMPARTMENT LOCK OPTION, RANDOM KEY & LATCH HANDLE
S	LUGGAGE COMPARTM.LID OPENING	LUGGAGE COMPARTMENT LID OPENING, BOTH SIDES
S	SLEEPER BOX - WINDOW	BOTH SIDES SLEEPER BOX LOWER WINDOW, POP-OUT
	STORAGE BIN ABOVE DOORS	STORAGE BIN ABOVE DOORS, BOTH SIDES
S	CABINET, LEFT HAND SIDE LOWER	LH BASE CABINET, SHELVES W/ DOOR, DRAWER, & SLIDE OUT WORK TABLE
	CABINET, LEFT HAND SIDE UPPER	LH UPPER WARDROBE CABINET, & TOP STORAGE
S	CABINET, RIGHT HAND SIDE LOWER	RH BASE CABINET, WITH REFRIGERATOR OR REFRIGERATOR PREP, & DRAWER
	CABINET, RIGHT HAND SIDE UPPER	RH UPPER CABINET WITHOUT DOOR W/BEZEL & TOP STORAGE

CAB EXTERIOR		DESCRIPTION
	PERMIT PLATE	2 POL, 304SS 3.5X15" W/SELF-ADH. BK; AT REC. SECTION CAB SILL PL. BELOW BOTH DRS
S	EMBLEMS OPTION	W/O MISC ORNAMENT CHANGE OPTION
	HOOD LATCH TYPE & FINISH	STRAP TYPE HOOD LATCH WITH BRIGHT FINISH
S	EXTERIOR TRIM FINISH AND PACKAGES	PINNACLE BLACK AIR INTAKE
S	GRILLE	HERITAGE DESIGN CHROME GRILLE W/ BLACK BACKGROUND
	PASSENGER SIDE VISIBILITY OPTIONS	AUXILIARY WINDOW IN RH DOOR W/ FRESNEL LENS WITHOUT SIDE CLOSE VIEW MIRROR
S	GRAB HANDLES	PREMIUM BLACK EXTERIOR CAB GRAB HANDLE, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST

TECHNICAL SPECIFICATION *(cont.)*



CAB EXTERIOR		DESCRIPTION
S	HORN - AIR	(1) BLACK TWIN TRUMPET, UNDER CAB MOUNTED
S	HORN - ELECTRICAL	DUAL TONE
	MIRRORS - EXTERIOR	BULLDOG STYLIZED MIRRORS - LH & RH HEATED & MOTORIZED AND ILLUMINATED W/INTEGRAL CONVEX MIRROR
	SUN VISOR - EXTERIOR	SUN VISOR, EXTERIOR, FIBERGLASS (PAINTED)
	REFLECTORS - AUXILIARY	RED REFLECTORS (ONE EACH SIDE) BACK OF CAB

AERODYNAMIC DEVICES		DESCRIPTION
S	CAB AERODYNAMIC PACKAGES	PAINTED CAB SIDE PANELS W/ AERO EXTENDERS TO TOP OF SIDE PANELS
S	FRONT CHASSIS AERODYNAMIC PACKAGE	WITHOUT FRONT AERODYNAMIC FAIRINGS
S	REAR CHASSIS AERODYNAMIC PACKAGE	WITHOUT REAR AERODYNAMIC FAIRING

WHEELS & TIRES		DESCRIPTION
	TIRES BRAND/TYPE - FRONT	11R24.5 H BRIDGESTONE R250ED (14320 lbs) (Total for QTY = 2)
	WHEELS - FRONT	24.5x8.25 ALCOA 98U63x POLISHED OUTER ALUMINUM, 6.60" OFFSET, 10 HAND HOLE (Total for QTY = 2)
	TIRES BRAND/TYPE - REAR	11R24.5 H BRIDGESTONE M799 (26440 lbs) (DRIVE ONLY) (Total for QTY = 8)
	WHEELS - REAR	24.5x8.25 ALCOA 98U63x POLISHED OUTER ALUMINUM, 6.60" OFFSET, 10 HAND HOLE (Total for QTY = 8)
S	TIRE INFLATION VALVE	STANDARD VALVE STEMS AND CAPS
S	FRONT HUB/WHEEL TRIM	WITHOUT FRONT HUB/WHEEL TRIM
S	REAR HUB/WHEEL TRIM	WITHOUT REAR HUB/WHEEL TRIM (Total for QTY = 2)
S	WHEEL NUT & FINISH, FRONT	WHEEL NUT BASIC FINISH, FRONT
S	WHEEL NUT FINISH, REAR (CA)	WHEEL NUT BASIC FINISH, REAR

COMMUNICATION SYSTEMS		DESCRIPTION
S	CO-PILOT - DISPLAY FEATURES ACCESS LEVEL	CO-PILOT DISPLAY, DRIVER ACCESS LEVEL 1
S	TELEMATIC GATEWAY	TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES

ENGINE ELECTRONICS		DESCRIPTION
S	OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN
S	COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN
S	ENGINE PROTECTION SYSTEM	ENGINE PROTECTION (SHUTDOWN)
	ENG FAN CNTL, A/C ON, TIME SET	ENG FAN CONTROL, A/C ON, TIME SETTING, 60 SEC
S	ENGINE IDLE CONTROL	IDLE CONTROL, 600 RPM
S	SMART IDLE ELEVATED IDLE RPM TIME	INCREASE 10 MINUTE MAXIMUM TIME
S	IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED
S	IDLE S/D WARNING TIME	WITHOUT IDLE S/D WARNING TIME
S	IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY
S	IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY
S	IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT
S	IDLE S/D OVERRIDE %ENGINE LOAD	IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD
S	AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F)
S	AMBIENT TEMP MAX TRESHOLD	AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)
S	EL HD THROTTLE,MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)
S	EL HAND THROTTLE,MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 1000 RPM

TECHNICAL SPECIFICATION *(cont.)*



ENGINE ELECTRONICS		DESCRIPTION
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S	EL HAND THROTTLE,MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM
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TRANSMISSION ELECTRONICS		DESCRIPTION
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	TRANSMISSION DRIVE MODE PACKAGES, mDRIVE	mDRIVE- EZ SHIFT - ECON, & PERF DRIVE MODES, AUTO RETURN (premium)
S	ECONO ROLL	ECONO ROLL ENABLE VIA CO-PILOT, mDRIVE ONLY
S	PRE-VIEW TOPOGRAPHY	MACK PREDICTIVE CRUISE LEARNING BY GPS POSITIONING (available with mDRIVE only)
S	TRANSMISSION KICK-DOWN MODE	MACKCELLERATOR ENABLE
S	TRANSMISSION ELECTRONICS PACKAGE	W/O ELEC TRANS PACKAGE OPTION (all non-Allison transmissions)
	TRANSM AUTO NEUTRAL ON P-BRAKE	mDRIVE TRANSMISSION PARK BRAKE AUTO NEUTRAL
S	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	W/O ALLISON FUELSENSE 2.0 PROGRAMMING

VEHICLE ELECTRONICS		DESCRIPTION
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S	ROAD SPEED LIMITER SETTING	105 KM/H ROAD SPEED LIMITER (65MPH)
S	PEDAL RSL SETTING	101 KM/H PEDAL ROAD SPEED LIMITER (63MPH)
S	CRUISE CONTROL	CRUISE CONTROL
S	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)
S	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)
S	CRUISE RESUME WITH CLUTCH	CRUISE RESUME WITH CLUTCH
S	ENG BRK ENGAGE IN CRUISE	ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED
S	ROAD SPEED LIMIT CONTROL TYPE	RSL CONTROL TYPE NORMAL
	PDLO ENGAGED VLS	POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 24KMH (15MPH)
	DIFF LOCK SPEED LIMIT	DIFFERENTIAL LOCK ROAD SPEED LIMIT 24KMH (15MPH)
S	MAXIMUM ENG SPEED AT 0 MPH	1000 MAXIMUM ENGINE SPEED AT 0 MPH
S	DETECTION SPEED SENSR TMPRNG	DETECTION OF SPEED SENSOR TAMPERING, ENABLE
S	ENG TORQUE LIMIT,SPEED SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED
S	DRIVER ID FUNCTION	DRIVER ID FUNCTION, DISABLED
S	DR PERFORMANCE PARAMETERS	WITHOUT DRIVER PERFORMANCE PARAMETERS
S	ENGINE OVERSPEED,ALL COND, LOG	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM
S	ENGINE OVERSPEED,FUELED, LOG	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM
S	VEHICLE OVERSPEED,ALL COND,LOG	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)
S	VEHICLE OVERSPEED, FUELED, LOG	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)
S	ENGINE IDLE DELAY TO LOG	ENGINE IDLE DELAY TO START LOG, 2 MIN
S	PERIODIC TRIP LOG DAY OF MONTH	PERIODIC TRIP LOG, DAY 1 OF THE MONTH

PTO ELECTRONICS		DESCRIPTION
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S	TRANS PTO1 SPLITTER RANGE	PTO1 FOR SPLITTER RANGE - KEYPAD REMOTE CONTROLLED
S	TRANS PTO2 SPLITTER RANGE	PTO2 FOR SPLITTER RANGE - KEYPAD REMOTE CONTROLLED

PAINT		DESCRIPTION
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S	PAINT DESIGN	SINGLE COLOR
	PAINT TYPE	METALLIC PAINT
	PAINT COLOR - FIRST COLOR	SABLE METALLIC; P9048
S	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR
S	PAINT COLOR - THIRD COLOR	NO THIRD TRUCK COLOR PROVIDED; NO COLOR

TECHNICAL SPECIFICATION *(cont.)*



PAINT		DESCRIPTION
S	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT
S	CAB COLOR	SAME AS FIRST COLOR - CAB
S	HOOD COLOR	SAME AS FIRST COLOR - HOOD
	SUN VISOR COLOR	SAME AS FIRST COLOR - SUN VISOR
S	MIRROR COVER COLOR	SAME AS FIRST COLOR - MIRROR COVER
S	SLEEPER ROOF COLOR	SAME AS FIRST COLOR - SLEEPER ROOF
S	ROOF FAIRING COLOR	WITHOUT ROOF FAIRING
S	CHASSIS RUNNING GEAR	MACK BLACK (URETHANE); P3036
S	BUMPER	W/O OPTIONAL BUMPER PAINT
S	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY***	W/O OPTIONAL FUEL TANK PAINT
S	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR
S	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR

CALCULATED CODES - KAX		DESCRIPTION
S	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED
	AUTO ROUTING & CLIPPING, CENTER	AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION

BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION
	VEHICLE WARRANTY TYPE	HEAVY DUTY WARRANTY CLASSIFICATION
	BASIC CHASSIS COVERAGE	HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000 KM)
	EMISSION - SURCHARGE	EPA (only) for Mack MP7 / MP8 Diesel
S	ENGINE WARRANTY	MACK MP7/MP8 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)
	TRANSMISSION WARRANTY	36 MONTHS: STANDARD mDRIVE HD TRANSMISSIONS HEAVY DUTY WARRANTY
S	CARRIER & AXLE HOUSING WARRANTY	STANDARD VENDOR NORMAL / HEAVY DUTY COVERAGE 36 MONTHS/350,000 (563,00 KM)
S	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE
S	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES
S	ENGINE TOWING WARRANTY	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM)
S	GUARDDOG CONNECT BUNDLE	NO GUARDDOG CONNECT (ASIST & MACK ONECALL)

SERVICES		DESCRIPTION
S	MACK INTEGRATED UPTIME	MACK INTEGRATED UPTIME - 24 MONTHS
	MACK CONNECT LOCATION & REPORTING	MACK CONNECT LOCATION & REPORTING - 24 MONTHS
S	FLEET INTEGRATION	WITHOUT FLEET INTEGRATION
S	PARTNERED SERVICES	NO PARTNERED SERVICES PROVIDED

ADDITIONAL ENGINEERING (Included)		DESCRIPTION
	CA	

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