

TECHNICAL SPECIFICATION

PINNACLE 64T DAYCAB MACK SPEC



N4846

			WEIGHT (LB)	
CUSTOMER/VEHICLE INFO	DESCRIPTION		FRONT	REAR
S	CHASSIS (BASE MODEL)	PINNACLE 64T DAYCAB MACKSPEC	5,038	2,090
	VEHICLE USE & BODY/TRAILER TYPE	END DUMP TRAILER, 3 AXLES	0	0
	TRAILER TYPE	SEMI TRAILER WITHOUT FRONTAXLES USING KINGPIN	0	0

			WEIGHT (LB)	
ENGINE/TRANSMISSIONS	DESCRIPTION		FRONT	REAR
	ENGINE / MOTOR	MP8-505C+ MACK 505HP @ 1400-1700 RPM (PEAK) 2100 RPM (GOV) 1900 LB-FT, US'21	2,108	530
	TRANSMISSION	MACK TMD13AFO-HD mDRIVE HD 13 SP, CREEPER/ MULTI-SPEED REVERSE (OVERDRIVE)	578	192

			WEIGHT (LB)	
EXHAUST/EMISSIONS	DESCRIPTION		FRONT	REAR
S	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21	0	0
S	DIESEL EXHAUST FLUID TANK	18.4 GALLON (70 L) 26" LEFT SIDE FRAME MOUNTED	190	67
	DEF TANK VENTILATION FILTER	DEF TANK VENTILATION FILTER	0	3
	EXHAUST	DUAL VERTICAL OUTBOARD MOUNTED STRAIGHT EXHAUST STACK TURNED OUT END	89	51

			WEIGHT (LB)	
ENGINE EQUIPMENT	DESCRIPTION		FRONT	REAR
	BUG SCREEN	BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE AND SNAP-ON FABRIC BUG SCREEN FOR FRONT OF GRILLE	3	0
	AIR COMPRESSOR/DRYER	BENDIX HEATED AD9 AIR DRYER W/ WABCO 636 (37.4 CFM) AIR COMPRESSOR	12	5
S	ALTERNATOR	DELCO 12V 160A (28SI) BRUSH-TYPE	16	0
	BATTERIES	(3) MACK 12V 1000/3000 CCA THREADED STUD TYPE	16	7
S	BATTERY BOX - MOUNTING (x)	RH RAIL UNDER CAB (3 BATTERY MAX)	0	0
	BATTERY BOX COVER	POLISHED ALUMINUM	5	0
	BATTERY DISCONNECT SWITCH	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE	3	0
	STARTER MOTOR	12 VOLT MELCO STARTER (MITSUBISHI ELECTRIC)	31	0
	ENGINE BRAKE	MACK MP8 POWERLEASH	0	0
	ENGINE HEATERS	GRID HEATER + 120v 1500w BLOCK HEATER	0	0
	ENGINE BLOCK HEATER	120V 1500W ENGINE BLOCK HEATER	5	0
	ENGINE STARTING AID	ELECTRIC PREHEATER	7	0

			WEIGHT (LB)	
CLUTCH/TRANS EQUIPMENT	DESCRIPTION		FRONT	REAR
S	CLUTCH	ZF/SACHS SINGLE PLATE 17" (430MM) ORGANIC MATERIAL	0	0
	DRIVELINE - MAIN	MERITOR RPL35-SD, WITH CROSS SERRATED YOKE (PROPS2XL)	23	49
	DRIVELINE - INTERAXLE	MERITOR RPL25	0	36

TECHNICAL SPECIFICATION *(cont.)*



			WEIGHT (LB)	
FRONT AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
	FRONT AXLE	13200# (6000 KG) MACK FXL13.2 STRAIGHT SPINDLE/UNITIZED BEARINGS	0	0
S	FRONT AXLE QUANTITY (required for CERT)	SINGLE FRONT AXLE	0	0
	SALES MODEL QUANTITY OF FRONT AXLES	SALES MODEL HAS ONE (1) FRONT AXLE INSTALLED	0	0
	SPRINGS - FRONT	MACK TAPERLEAF 13200# (6000 KG) GROUND LOAD RATING, EQUAL BIAS	12	0
S	BRAKES - FRONT	MERITOR EX+ AIR DISC BRAKES 430MM (17") L-TYPE	25	0
S	BRAKE DRUMS - FRONT	FRONT BRAKE DISC LIGHTWEIGHT	23	0
S	DUST SHIELDS - FRONT	DUST SHIELDS FOR FRONT AXLE	5	0
S	HUBS - FRONT	BASIC HUB UNITIZED IRON, FRONT	106	0
S	FRONT AXLE LUBRICANT	FRONT AXLE LUBE, FAG NLGI2 GREASE	0	0
S	STEERING	TRW THP60 POWER	64	0

			WEIGHT (LB)	
REAR AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
	REAR AXLE	46000# (20900kg) MERITOR RT46-164EH	0	1,786
	SALES MODEL QUANTITY OF REAR AXLES	SALES MODEL HAS TWO (2) REAR AXLES INSTALLED	0	0
S	DRIVE AXLE LUBRICANT	DRIVE AXLE LUBE, SHELL 75W90 SYNTHETIC OIL	0	0
S	CARRIER - REAR AXLE	VENDOR AXLES	0	0
S	POWER DIVIDER LOCKOUT	INTERAXLE POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT	0	40
	REAR AXLE RATIO	3.42 RATIO	0	0
	REAR SUSPENSION	PAX 46 HIGH STABILITY HENDRICKSON PRIMAXX AIR (VENDOR AXLES ONLY)	0	1,504
S	BOGIE SPREAD, REAR	52" AXLE SPACING (BOGIE WHEELBASE)	0	36
S	SUSPENSION LEVELING DEVICE	ELECTRICAL REGULATION LEVELING DEVICE	0	3
S	SHOCK ABSORBERS - REAR	REAR SHOCK ABSORBER	0	27
S	AUX.SPRING BRAKE QTY	AUX SPRING BRAKE QTY, 4 CHAMBERS	0	20
	BRAKES - REAR	MERITOR - CAM 16.5"x8 5/8" Q+ (Total for QTY = 2)	0	49
	BRAKE DRUMS - REAR	MERITOR "MACHINE-TO-BALANCE" FULL CAST	0	5
	DUST SHIELDS - REAR BRAKE	DUST SHIELDS FOR REAR AXLE	0	12
S	HUBS - REAR	ALUMINUM PRESET REAR HUB W/INTEGRATED SPINDLE NUT	0	212
S	ANTILOCK BRAKE SYSTEM	MACK ROAD STABILITY ADVANTAGE BENDIX ABS/ATC/ESP W/YAW CONTROL 4S4M	7	0
S	SPRING BRAKE INVERSION VALVE	TRACTOR SPRING BRAKE INVERSION VALVE	5	0

			WEIGHT (LB)	
PUSHER/TAG AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
	PUSHER AXLE CAPACITY, SECOND	WITHOUT 2ND PUSHER AXLE	0	0
	SALES MODEL QUANTITY OF PUSHER AXLES	SALES MODEL HAS ZERO (0) PUSHER AXLES INSTALLED	0	0
	SALES MODEL QUANTITY OF TAG AXLES	SALES MODEL HAS ZERO (0) TAG AXLES INSTALLED	0	0

			WEIGHT (LB)	
FRAME EQUIPMENT/FUEL TANKS	DESCRIPTION		FRONT	REAR
	WHEELBASE	219"	73	73
S	AF (OVERHANG)	56"	-4	161

TECHNICAL SPECIFICATION *(cont.)*



			WEIGHT (LB)	
FRAME EQUIPMENT/FUEL TANKS	DESCRIPTION		FRONT	REAR
	FRAME RAILS & LINERS	9.5 x 90 x 300mm - (0.37" x 3.54" x 11.81"); RBM 2,470,000 LB-IN	0	0
S	FRONT FRAME LENGTH	Standard Bumper Position	47	-2
	CROSSMEMBERS	HIGHWAY SEVERE DUTY BOC AND BCL CROSSMEMBERS	7	12
S	REAR CROSSMEMBER OPTIONS	BOXED AND TAPERED CLOSING CROSSMEMBER FOR USE W/ BUILT IN TAIL LAMPS	-8	49
	MUD FLAP BRACKETS	BETTS B60S (ANGLED) STAINLESS STEEL W/INTEGRATED REFLECTIVE TAPE	0	20
	MUD FLAP, REAR AXLE	BLACK POLYETHYLENE WITH WHITE "MACK" LETTERS	0	14
S	FRONT BUMPER	FLUSH-STAINLESS CLAD ALUMINUM	98	-4
S	FUEL TANK - LH	93 GALLON (350 L) 26" ALUMINUM ROUND	175	73
S	FUEL TANK - RH	93 GALLON (350 L) 26" ALUMINUM ROUND	148	98
S	FUEL LINE MATERIAL	BRAIDED HOSE	5	3
	QUARTER FENDERS	PLASTIC QUARTER FENDERS	0	18

			WEIGHT (LB)	
AIR/BRAKE	DESCRIPTION		FRONT	REAR
S	RELOCATE AIR RESERVOIRS	W/O RELOCATED AIR TANKS	0	0
	AIR TANK MATERIAL & FINISH	ALUMINUM AIR TANK, POLISHED ALUMINUM FINISH	-13	-4

			WEIGHT (LB)	
ELECTRICAL	DESCRIPTION		FRONT	REAR
	BACK-UP ALARM	POLLAK 41-722 CONSTANT AUDIBLE (MOUNTED ON REAR CROSS MEMBER) 107 dB	0	3
	FOG LAMPS	FOG LAMPS (ROUND)	9	0
	ROOF & SIDE MARKER LIGHTS	(5) TRUCKLITE CHROME BULLET ROOF MARKER & TRUCKLITE SIDE MARKER LAMPS	5	3
	WARNING LAMP (CA family in PC29 only)	SWITCH IN DASH W/WIRING ROUTED TO CAB ROOF, ABOVE LH+RH DOORS FOR LOCAL INSTL OF STROBE LTS	3	0
S	TAIL LAMPS	LED STOP & TAIL LAMPS W/BACKUP LAMP & LICENSE PLATE MTD IN CLOSING CROSSMEMBER	0	5
	WORK LIGHTS - CHASSIS MOUNTED	RH/LH LED WORK LIGHT (STEPS & GROUND) ON BOTH SIDES TRUCK	3	0

			WEIGHT (LB)	
TRAILER CONNECTIONS	DESCRIPTION		FRONT	REAR
	FIFTH WHEEL	AIR - JOST JSK-37USLN SERIES, LH RELEASE, NO-TILT	0	512
S	FIFTH WHEEL MTG ANGLES/DRILLING	SLIDING 5TH WHEEL MTG, 24" TRAVEL	0	75
	FIFTH WHEEL LEG-HEIGHT (KAX Result)	197MM (7.75"), FIFTH WHEEL LEG-HEIGHT (SELECTED BY KAX)	0	0
S	TRAILER ACCESS PACKAGE	LOW PROFILE DECK PLATE	18	45
	TRAILER HOOKUP LIGHT	DUAL TRUCKLITE SUPER-44 LED 27 DIODE RECESSED IN BOC	3	0

			WEIGHT (LB)	
PTO	DESCRIPTION		FRONT	REAR
	TRANSMISSION MOUNTED PTO	PTR-DM, Single RH: DIN 5462 (INNER)	47	12
	HYDRAULIC PUMP	F1-81R PARKER PUMP/REAR OF mDRIVE TRANSMISSION	25	7

TECHNICAL SPECIFICATION *(cont.)*



		WEIGHT (LB)	
CAB INTERIOR (A THRU G)	DESCRIPTION	FRONT	REAR
	FIRE EXTINGUISHER	5LB (ABC RATED) MOUNTED BETWEEN DRIVER SEAT BASE AND DOOR VALVE AIMED REARWARD	9 0
	FLOOR COVERING	POLYURETHANE FLOOR MAT W/ REMOVABLE INSERTS	16 0

		WEIGHT (LB)	
CAB INTERIOR (H THRU R)	DESCRIPTION	FRONT	REAR
S	REAR WALL STORAGE COMPARTMENT	STORAGE POUCH REAR	5 0

		WEIGHT (LB)	
CAB INTERIOR (S THRU Z)	DESCRIPTION	FRONT	REAR
	SEAT - DRIVER'S	NATIONAL-AIR, WIDE WIDTH/HIGH BACK, 3 CHAMBER AIR LUMBAR, BOLSTER, W/ HEAT	60 16
	SEAT - PASSENGER'S	MACK-FIXED, HIGH BACK, W/ STORAGE BOX	40 9
	SEAT - DUST COVER(S)	SEAT, DUST COVER FOR DRIVER'S SEAT	3 0
	SEAT ARM REST(S)	INBOARD MOUNTED ARM REST, DRIVER'S & RIDER'S SEAT	5 3

		WEIGHT (LB)	
CAB EXTERIOR	DESCRIPTION	FRONT	REAR
	PASSENGER SIDE VISIBILITY OPTIONS	AUXILIARY WINDOW IN RH DOOR WITH SIDE CLOSE VIEW MIRROR	5 0
	MIRRORS - PROXIMITY	RECTANGULAR CONVEX ABOVE RH DOOR WINDOW	3 0
	HORN - AIR	(2) MACK RECTANGULAR SINGLE TRUMPET (ONE EACH SIDE OF CAB ROOF)	7 0
S	HORN - ELECTRICAL	DUAL TONE	5 0
	MIRRORS - EXTERIOR	BULLDOG STYLIZED MIRRORS - LH & RH HEATED & MOTORIZED AND ILLUMINATED W/INTEGRAL CONVEX MIRROR	7 0
	SUN VISOR - EXTERIOR	SUN VISOR, EXTERIOR, STAINLESS STEEL (UNPAINTED)	9 0

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

		WEIGHT (LB)	
WHEELS & TIRES	DESCRIPTION	FRONT	REAR
	TIRES BRAND/TYPE - FRONT	11R22.5 H MICHELIN X WORKS Z (13220 lbs) (Total for QTY = 2)	269 0
	WHEELS - FRONT	22.5x8.25 ALCOA 88565x SEVERE SERVICE, HIGH POLISHED ALUMINUM, 6.60" OFFSET, 10 HAND HOLE (Total for QTY = 2)	102 0
	TIRES BRAND/TYPE - REAR	11R22.5 H MICHELIN XDS2 (24020 lbs) (DRIVE ONLY) (Total for QTY = 8)	0 1,094
	WHEELS - REAR	22.5x8.25 ALCOA 88565x SEVERE SERVICE, HIGH POLISHED ALUMINUM, 6.60" OFFSET, 10 HAND HOLE (Total for QTY = 8)	0 406
	WHEEL GUARDS - REAR	PROTECTIVE NYLON SPACER BETWEEN DISCS WHEEL TO DRUM	0 3

TECHNICAL SPECIFICATION (cont.)



			WEIGHT (LB)	
PAINT	DESCRIPTION		FRONT	REAR
S	PAINT DESIGN	SINGLE COLOR	0	0
	PAINT COLOR - FIRST COLOR	MACK BLACK (MACK EXCLUSIVE COLOR); 932844	0	0
FRONT / REAR AXLE WEIGHTS (LB)			9527	9403
TOTAL WEIGHT (LB)				18929



VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY			
Description	Dwg Ref	Length	UOM
Front Frame Extension	FE	0.0	INCHES
Bumper to Front Axle	BA	29.8	INCHES
Eff. Bumper to Front Axle	N/A	29.8	INCHES
Wheelbase	WB	219.3	INCHES
Rear Overhang	OH	56.5	INCHES
Overall Length	OL	305.6	INCHES
Bumper to Back of Cab	BBC	117.3	INCHES
Eff. Bumper to Back of Cab	EBBC	128.8	INCHES
Eff. Cab to Rear Axle	ECA	120.3	INCHES
Eff. Front Axle to Back of Cab	EAC	99.0	INCHES
Eff. Cab to End of Frame	ECEF	176.8	INCHES
Unladen 5th Wheel Height	5W	49.0	INCHES
Unladen Frame Height	FH	41.2	INCHES
Cab Height	CH	73.0	INCHES
Overall Height	OVH	139.2	INCHES
Driver CG	DCG	73.2	INCHES
52" AXLE SPACING (BOGIE WHEELBASE)	BS	52.0	INCHES

