

# TECHNICAL SPECIFICATION

## ANTHEM 64T DAYCAB MACK SPEC



N4801

			WEIGHT (LB)	
CUSTOMER/VEHICLE INFO	DESCRIPTION		FRONT	REAR
S	CHASSIS (BASE MODEL)	ANTHEM 64T DAYCAB MACKSPEC	5,067	1,841
	VEHICLE USE & BODY/TRAILER TYPE	VAN TRAILER	0	0
	TRAILER TYPE	SEMI TRAILER WITHOUT FRONTAXLES USING KINGPIN	0	0

			WEIGHT (LB)	
ENGINE/TRANSMISSIONS	DESCRIPTION		FRONT	REAR
	ENGINE / MOTOR	MP8-445C MACK 445HP @ 1400-1700 RPM (PEAK) 2100 RPM (GOV) 1850 LB-FT, US'21	2,902	-264
S	TRANSMISSION	MACK TMD12AFO mDRIVE 12 SP-(OVERDRIVE)	503	168

			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
	DIESEL EXHAUST FLUID TANK	11.8 GALLON (45 L) 22" LEFT SIDE FRAME MOUNTED	146	34
	DEF TANK VENTILATION FILTER	DEF TANK VENTILATION FILTER	0	3
S	EXHAUST	SINGLE VERTICAL RIGHT SIDE INBOARD MOUNTED STRAIGHT EXHAUST STACK TURNED OUT	-4	-4

			WEIGHT (LB)	
ENGINE EQUIPMENT	DESCRIPTION		FRONT	REAR
	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)	LH RAIL UNDER CAB, PARALLEL TO FRAME W/STEPS, W/AIR RESERVOIR MOUNTED BELOW (4 BATTERY MAX)	0	0
	BATTERY DISCONNECT SWITCH	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE	3	0
S	STARTER MOTOR	12 VOLT DELCO 39MT-MXT	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 RPL25HD W/PERMALUBE U-JOINTS (PROPS-L)	7	7
S	DRIVELINE - INTERAXLE	MERITOR RPL20 W/PERMALUBE	0	34

			WEIGHT (LB)	
FRONT AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
	FRONT AXLE	12500# (5700 KG) MERITOR MFS+131 TAPERED SPINDLE/TAPERED BEARINGS	-26	0

# TECHNICAL SPECIFICATION *(cont.)*



			WEIGHT (LB)	
FRONT AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
<b>S</b>	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 12500# (5700 KG) GROUND LOAD RATING, EQUAL BIAS	3	0
	BRAKES - FRONT	MERITOR "S" CAM TYPE 16.5" x 5" Q+	16	0
<b>S</b>	DUST SHIELDS - FRONT	DUST SHIELDS FOR FRONT AXLE	5	0
	HUBS - FRONT	ALUMINUM PRESET HUB, FRONT W/ INTEGRATED SPINDLE NUT	80	0
	FRONT AXLE LUBRICANT	FRONT AXLE LUBE, SHELL 75W90 SYNTHETIC OIL	0	0
<b>S</b>	STEERING	TRW TAS-65 INTEGRAL POWER	78	0

			WEIGHT (LB)	
REAR AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
	REAR AXLE	40000# (18100kg) MERITOR MT40-14X4D HYPOID (LOW ENTRY)	0	1,396
	SALES MODEL QUANTITY OF REAR AXLES	SALES MODEL HAS TWO (2) REAR AXLES INSTALLED	0	0
<b>S</b>	DRIVE AXLE LUBRICANT	DRIVE AXLE LUBE, SHELL 75W90 SYNTHETIC OIL	0	0
<b>S</b>	CARRIER - REAR AXLE	VENDOR AXLES	0	0
	TRACTION DIFFERENTIAL	INTERWHEEL DIFFERENTIAL LOCK, ALL REAR AXLES	0	18
<b>S</b>	POWER DIVIDER LOCKOUT	INTERAXLE POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT	0	40
	REAR AXLE RATIO	3.08 RATIO	0	0
<b>S</b>	REAR SUSPENSION	MAXLITE 40 EZ (GEN 2) 40,000 lb	0	966
<b>S</b>	BOGIE SPREAD, REAR	52" AXLE SPACING (BOGIE WHEELBASE)	0	5
<b>S</b>	SUSPENSION LEVELING DEVICE	ELECTRICAL REGULATION LEVELING DEVICE	0	3
<b>S</b>	SHOCK ABSORBERS - REAR	REAR SHOCK ABSORBER	0	27
<b>S</b>	TRANSVERSE TORQUE RODS	TRANSVERSE TORQUE ROD - ALL AXLES	0	133
<b>S</b>	AUX.SPRING BRAKE QTY	AUX SPRING BRAKE QTY, 4 CHAMBERS	0	20
<b>S</b>	BRAKES - REAR	MERITOR "S" CAM - 16.5"x7" Q+ LIGHTWEIGHT BRAKE STAMPED STEEL SPIDERS (Total for QTY = 2)	0	14
	DUST SHIELDS - REAR BRAKE	DUST SHIELDS FOR REAR AXLE	0	12
<b>S</b>	HUBS - REAR	ALUMINUM PRESET REAR HUB W/INTEGRATED SPINDLE NUT	0	212
<b>S</b>	ANTILOCK BRAKE SYSTEM	MACK ROAD STABILITY ADVANTAGE BENDIX ABS/ATC/ESP W/YAW CONTROL 4S4M	7	0
<b>S</b>	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	180"	-70	-70
<b>S</b>	AF (OVERHANG)	56"	3	111
	FRAME RAILS & LINERS	8 x 90 x 266mm - (0.31" x 3.54" x 10.47"); RBM 1,810,000 LB-IN	0	0

# TECHNICAL SPECIFICATION *(cont.)*



			WEIGHT (LB)	
FRAME EQUIPMENT/FUEL TANKS	DESCRIPTION		FRONT	REAR
<b>S</b>	FRONT FRAME LENGTH	STANDARD BUMPER POSITION	40	-4
	CROSSMEMBERS	HIGHWAY SEVERE DUTY BOC AND BCL CROSSMEMBERS	7	12
	REAR CROSSMEMBER OPTIONS	BOXED AND TAPERED CROSSMEMBER	-17	91
	MUD FLAP BRACKETS	BETTS B60S (ANGLED) STAINLESS STEEL W/INTEGRATED REFLECTIVE TAPE	0	20
	MUD FLAP, REAR AXLE	ANTI-SPRAY MUD FLAP, BLACK WITH WHITE "MACK" LETTERS	-4	16
	FRONT BUMPER	FLUSH-STAINLESS CLAD ALUMINUM	98	-4
	FUEL TANK - LH	93 GALLON (350 L) 26" ALUMINUM D-SHAPE	177	75
	FUEL TANK - RH	72 GALLON (275 L) 26" ALUMINUM D-SHAPE	126	82
<b>S</b>	FUEL LINE MATERIAL	BRAIDED HOSE	5	3

			WEIGHT (LB)	
AIR/BRAKE	DESCRIPTION		FRONT	REAR
<b>S</b>	RELOCATE AIR RESERVOIRS	W/O RELOCATED AIR TANKS	0	0
	AIR TANK MATERIAL & FINISH	ALUMINUM AIR TANK PAINTED CHASSIS COLOR	-13	-4

			WEIGHT (LB)	
ELECTRICAL	DESCRIPTION		FRONT	REAR
	BACK-UP ALARM	W/INTERMITTENT FEATURE (AMBIENT NOISE SENSITIVE) 87-112 dB	0	3
	FOG LAMPS	FOG LAMPS (ROUND)	9	0
	TAIL LAMPS	LED TYPE TAIL LAMP MODULE MTD BELOW REAR 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 - HOLLAND FW35 ILS SERIES, LH RELEASE (AVAIL: 6.81",7.80",8.82",9.80")	0	516
<b>S</b>	FIFTH WHEEL MTG ANGLES/DRILLING	SLIDING 5TH WHEEL MTG, 24" TRAVEL	0	75
	RAMP, FIFTH WHEEL	BASIC FIFTH WHEEL RAMP	0	29
	FIFTH WHEEL LEG-HEIGHT (KAX Result)	173MM (6.81"), FIFTH WHEEL LEG-HEIGHT (SELECTED BY KAX)	0	0
<b>S</b>	TRAILER ACCESS PACKAGE	LOW PROFILE DECK PLATE	18	45
	TRAILER HOOKUP LIGHT	DUAL TRUCKLITE SUPER-44 LED 27 DIODE RECESSED IN BOC	3	0
	TRAILER ELECTRICAL CORD	TRAILER ELECTRICAL CORD CONFIG, COILED, LONG(4570MM OR 15')	3	0

			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

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

# TECHNICAL SPECIFICATION *(cont.)*



		WEIGHT (LB)	
CAB INTERIOR (S THRU Z)	DESCRIPTION	FRONT	REAR
SEAT - DRIVER'S	SEARS-AIR, ATLAS 80, HIGH BACK, 4 CHAMBER AIR LUMBAR	80	23
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 SEAT ONLY	3	3

			WEIGHT (LB)	
CAB EXTERIOR		DESCRIPTION	FRONT	REAR
S	PASSENGER SIDE VISIBILITY OPTIONS	AUXILIARY WINDOW IN RH DOOR	3	0
	HORN - AIR	(2) MACK RECTANGULAR SINGLE TRUMPET (ONE EACH SIDE OF CAB ROOF)	7	0
S	HORN - ELECTRICAL	DUAL TONE	5	0
	MIRROR - CONVEX HOOD & FENDER	CONVEX AERODYNAMIC HOOD MIRROR, HEATED, RH & LH (BLACK as of 07-04-2023)	14	0
	SUN VISOR - EXTERIOR	SUN VISOR, EXTERIOR, FIBERGLASS (PAINTED)	12	0

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

		WEIGHT (LB)	
WHEELS & TIRES	DESCRIPTION	FRONT	REAR
TIRES BRAND/TYPE - FRONT	11R22.5 H BRIDGESTONE R268 ECOPIA (13220 lbs) (Total for QTY = 2)	247	0
WHEELS - FRONT	22.5x8.25 ALCOA ULA18x HIGH POLISHED ALUMINUM, 6.60" OFFSET, 10 HAND HOLE (Total for QTY = 2)	80	0
TIRES BRAND/TYPE - REAR	11R22.5 H BRIDGESTONE M771 (24020 lbs) (DRIVE ONLY) (Total for QTY = 8)	0	971
WHEELS - REAR	22.5x8.25 ALCOA ULA18x HIGH POLISHED ALUMINUM, 6.60" OFFSET, 10 HAND HOLE (Total for QTY = 8)	0	318
WHEEL GUARDS - REAR	PROTECTIVE NYLON SPACER BETWEEN DISCS WHEEL TO DRUM	0	3

			WEIGHT (LB)	
PAINT		DESCRIPTION	FRONT	REAR
S	PAINT DESIGN	SINGLE COLOR	0	0
	PAINT COLOR - FIRST COLOR	SNOW; P7241	0	0

**FRONT / REAR AXLE WEIGHTS (LB)**

9747

6980

**TOTAL WEIGHT (LB)**

16727



VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Dwg Ref	Length	UOM
Front Frame Extension	FE	0.0	INCHES
Bumper to Front Axle	BA	52.4	INCHES
Eff. Bumper to Front Axle	N/A	52.4	INCHES
Wheelbase	WB	179.5	INCHES
Rear Overhang	OH	56.5	INCHES
Overall Length	OL	288.5	INCHES
Bumper to Back of Cab	BBC	117.9	INCHES
Eff. Bumper to Back of Cab	EBBC	129.4	INCHES
Eff. Cab to Rear Axle	ECA	102.6	INCHES
Eff. Front Axle to Back of Cab	EAC	77.0	INCHES
Eff. Cab to End of Frame	ECEF	159.1	INCHES
Unladen 5th Wheel Height	5W	47.0	INCHES
Unladen Frame Height	FH	40.0	INCHES
Cab Height	CH	73.0	INCHES
Overall Height	OVH	138.0	INCHES
Driver CG	DCG	51.2	INCHES
52" AXLE SPACING (BOGIE WHEELBASE)	BS	52.0	INCHES

