

# TECHNICAL SPECIFICATION

## ANTHEM 64T DAYCAB MACK SPEC



N4789

			WEIGHT (LB)	
CUSTOMER/VEHICLE INFO	DESCRIPTION		FRONT	REAR
<b>S</b>	CHASSIS (BASE MODEL)	ANTHEM 64T DAYCAB MACKSPEC	5,067	1,841
	VEHICLE USE & BODY/TRAILER TYPE	BULK HAULER - LIQUID TRAILER	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 @ 1500-1700 RPM (PEAK) 2100 RPM (GOV) 1850 LB-FT, US'21	2,902	-264
	TRANSMISSION	MACK TMD12AFO-HD mDRIVE HD 12 SP-(OVERDRIVE)	503	168

			WEIGHT (LB)	
EXHAUST/EMISSIONS	DESCRIPTION		FRONT	REAR
<b>S</b>	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21	0	0
<b>S</b>	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
<b>S</b>	EXHAUST	SINGLE VERTICAL RIGHT SIDE INBOARD MOUNTED STRAIGHT EXHAUST STACK TURNED OUT	-4	-4

			WEIGHT (LB)	
ENGINE EQUIPMENT	DESCRIPTION		FRONT	REAR
	BUG SCREEN	BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE AND EXTREME COLD WINTER FRONT COVER (-60F to -40F)	3	0
	AIR COMPRESSOR/DRYER	BENDIX HEATED AD9 AIR DRYER W/ WABCO 636 (37.4 CFM) AIR COMPRESSOR	12	5
	ALTERNATOR	DELCO 12V 165A (36SI) BRUSHLESS	27	0
	BATTERIES	(4) MACK 12V 760/3040 CCA THREADED STUD TYPE	49	16
<b>S</b>	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
<b>S</b>	STARTER MOTOR	12 VOLT DELCO 39MT-MXT	31	0
	ENGINE BRAKE	MACK MP8 POWERLEASH	0	0
	HOSES - RADIATOR/HEATER	MACK EPDM RADIATOR & HEATER HOSES W/GATE VALVE ON EACH HEATER HOSE	3	0
	ENGINE HEATERS	GRID HEATER + 120v 1500w BLOCK HEATER (120V-15A PLUG)	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
<b>S</b>	CLUTCH	ZF/SACHS SINGLE PLATE 17" (430MM) ORGANIC MATERIAL	0	0
	DRIVELINE - MAIN	MERITOR RPL25HD W/PERMALUBE U-JOINTS (PROPS-L)	23	23
<b>S</b>	DRIVELINE - INTERAXLE	MERITOR RPL20 W/PERMALUBE	0	34

# TECHNICAL SPECIFICATION *(cont.)*



			WEIGHT (LB)	
FRONT AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
	FRONT AXLE	12500# (5700 KG) MACK FXL12.5 STRAIGHT SPINDLE/UNITIZED BEARINGS	0	0
<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	FERROUS	106	0
<b>S</b>	FRONT AXLE LUBRICANT	FRONT AXLE LUBE, FAG NLGI2 GREASE	0	0
<b>S</b>	STEERING	TRW TAS-65 INTEGRAL POWER	78	0

			WEIGHT (LB)	
REAR AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
	REAR AXLE	46000# (20900kg) MERITOR RT46-160	0	1,709
	SALES MODEL QUANTITY OF REAR AXLES	SALES MODEL HAS TWO (2) REAR AXLES INSTALLED	0	0
	LUBE PUMP, REAR AXLE	LUBE PUMP AND FILTER	0	16
<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
<b>S</b>	POWER DIVIDER LOCKOUT	INTERAXLE POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT	0	40
	REAR AXLE RATIO	3.42 RATIO	0	0
	REAR SUSPENSION	MAXLITE 46 EZ -HIGH MOUNT 9.00" RIDE HEIGHT (GEN 2) 46,000 lb	0	1,023
<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>	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
	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

			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	209"	-28	-28
<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
<b>S</b>	FRONT FRAME LENGTH	STANDARD BUMPER POSITION	40	-4

# TECHNICAL SPECIFICATION *(cont.)*



			WEIGHT (LB)	
FRAME EQUIPMENT/FUEL TANKS	DESCRIPTION		FRONT	REAR
	CROSSMEMBERS	HIGHWAY SEVERE DUTY BOC AND BCL CROSSMEMBERS	7	12
<b>S</b>	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
	FRONT BUMPER	AERODYNAMIC, PAINTED, WITH BLACK ACCENT	40	-2
	FUEL TANK - LH	117 GALLON (445 L) 26" ALUMINUM ROUND	223	93
	FUEL TANK - RH	72 GALLON (275 L) 26" ALUMINUM ROUND	124	82

			WEIGHT (LB)	
AIR/BRAKE	DESCRIPTION		FRONT	REAR
<b>S</b>	RELOCATE AIR RESERVOIRS	W/O RELOCATED AIR TANKS	0	0
	AIR RESERVOIRS	ALUMINUM AIR TANK PAINTED CHASSIS COLOR	-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
<b>S</b>	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 - 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
	FIFTH WHEEL GUIDE RAMPS	BASIC 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	SINGLE TRUCKLITE SUPER-44 LED, RECESSED LHS BOC W/RUBBER GROMMET (TLR HOOK-UP	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
	FLOOR COVERING	POLYURETHANE FLOOR MAT W/ REMOVABLE INSERTS	16	0

			WEIGHT (LB)	
CAB INTERIOR (H THRU R)	DESCRIPTION		FRONT	REAR
<b>S</b>	REAR WALL STORAGE COMPARTMENT	STORAGE POUCH REAR	5	0
	REFLECTOR KIT	EMERGENCY REFLECTOR KIT MOUNTED PARALLEL & CENTERED AGAINST BOC	12	5

# 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, W/ HEAT	82	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
S	SEAT ARM REST(S)	INBOARD MOUNTED ARM REST, DRIVER'S & RIDER'S SEAT	5	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, BRIGHT FINISH ALUMINUM W/SNOW SHIELDS	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
	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, STAINLESS STEEL (UNPAINTED)	9	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 G MICHELIN XZE2 (12350 lbs) (Total for QTY = 2)	239	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 MICHELIN XDN2 (24020 lbs) (DRIVE ONLY) (Total for QTY = 8)	0	1,059
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

		WEIGHT (LB)	
Z - TO BE DISCONTINUED - GOING OBSOLETE	DESCRIPTION	FRONT	REAR
AIR CONDITIONING/HEATER	BLEND AIR HVAC W/"ATC" TEMP REGULATION & APADS	3	0

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

9972

7406

**TOTAL WEIGHT (LB)**

17377



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	209.1	INCHES
Rear Overhang	OH	56.5	INCHES
Overall Length	OL	318.0	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	132.1	INCHES
Eff. Front Axle to Back of Cab	EAC	77.0	INCHES
Eff. Cab to End of Frame	ECEF	188.6	INCHES
Unladen 5th Wheel Height	5W	47.5	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

