

TECHNICAL SPECIFICATION

ANTHEM 64T DAYCAB MACK SPEC



N4843

			WEIGHT (LB)	
CUSTOMER/VEHICLE INFO	DESCRIPTION		FRONT	REAR
S	CHASSIS (BASE MODEL)	ANTHEM 64T DAYCAB MACKSPEC	4,815	1,841
	VEHICLE USE & BODY/TRAILER TYPE	END DUMP 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 @ 1400-1700 RPM (PEAK) 2100 RPM (GOV) 1900 LB-FT, US'21	2,902	-264
	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
	EXHAUST	SINGLE VERTICAL RIGHT SIDE OUTBOARD MOUNTED STRAIGHT EXHAUST STACK TURNED OUT END	0	0

			WEIGHT (LB)	
ENGINE EQUIPMENT	DESCRIPTION		FRONT	REAR
	BUG SCREEN	BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE AND WINTER FRONT COVER (-40F and UP)	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	(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
	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

			WEIGHT (LB)	
FRONT AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
	FRONT AXLE	16000# (7300 KG) MACK FXL16.0 STRAIGHT SPINDLE/UNITIZED BEARINGS	69	0

TECHNICAL SPECIFICATION *(cont.)*



			WEIGHT (LB)	
FRONT AXLE EQUIPMENT	DESCRIPTION		FRONT	REAR
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 PROGRESSIVE TAPERLEAF 16000# (7300 KG) GROUND LOAD RATING, EQUAL BIAS	20	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
	STEERING	TRW THP86 POWER	95	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	191"	20	20
S	AF (OVERHANG)	56"	-4	161
	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

TECHNICAL SPECIFICATION *(cont.)*



			WEIGHT (LB)	
FRAME EQUIPMENT/FUEL TANKS	DESCRIPTION		FRONT	REAR
S	FRONT FRAME LENGTH	STANDARD BUMPER POSITION	84	-8
	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	BLACK POLYETHYLENE WITH WHITE "MACK" LETTERS	0	14
	FRONT BUMPER	FLUSH-STAINLESS CLAD ALUMINUM	98	-4
	FUEL TANK - LH	93 GALLON (350 L) 26" ALUMINUM D-SHAPE	177	75
	FUEL TANK - RH	93 GALLON (350 L) 26" ALUMINUM D-SHAPE	153	102
S	FUEL LINE MATERIAL	BRAIDED HOSE	5	3
	FUEL SYSTEM - DUAL	W/O FUEL LINE OPTION	-2	0
	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 PAINTED CHASSIS COLOR	-13	-4

			WEIGHT (LB)	
ELECTRICAL	DESCRIPTION		FRONT	REAR
	BACK-UP ALARM	ECCO BACK-UP ALARM 575 CONSTANT SOUND LEVEL 107 dB	0	3
	FOG LAMPS	FOG LAMPS (ROUND)	9	0
	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
	TAIL LAMPS	TRUCKLITE MODULE MTD. UNDER REAR XMBR W/LED STOP/TURN & LIC.PLT.LAMP;INCAND.BACK-UP LP	0	3
	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
	RAMP, FIFTH WHEEL	BASIC FIFTH WHEEL RAMP	0	29
	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	F1-101R PARKER PUMP/REAR OF mDRIVE TRANSMISSION	23	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	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 (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
	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	315/80R22.5 L MICHELIN X WORKS Z (18180 lbs) (Total for QTY = 2)	327	0
WHEELS - FRONT	22.5x9.00 ALCOA 89U64x HIGH POLISHED ALUMINUM, 6.94" OFFSET, 10 HAND HOLE (Total for QTY = 2)	111	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 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



		WEIGHT (LB)	
PAINT	DESCRIPTION	FRONT	REAR
PAINT COLOR - FIRST COLOR	SNOW; P7241	0	0
FRONT / REAR AXLE WEIGHTS (LB)		10181	8239
TOTAL WEIGHT (LB)			18420





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	191.3	INCHES
Rear Overhang	OH	56.5	INCHES
Overall Length	OL	300.3	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	114.4	INCHES
Eff. Front Axle to Back of Cab	EAC	77.0	INCHES
Eff. Cab to End of Frame	ECEF	170.9	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	51.2	INCHES
52" AXLE SPACING (BOGIE WHEELBASE)	BS	52.0	INCHES

