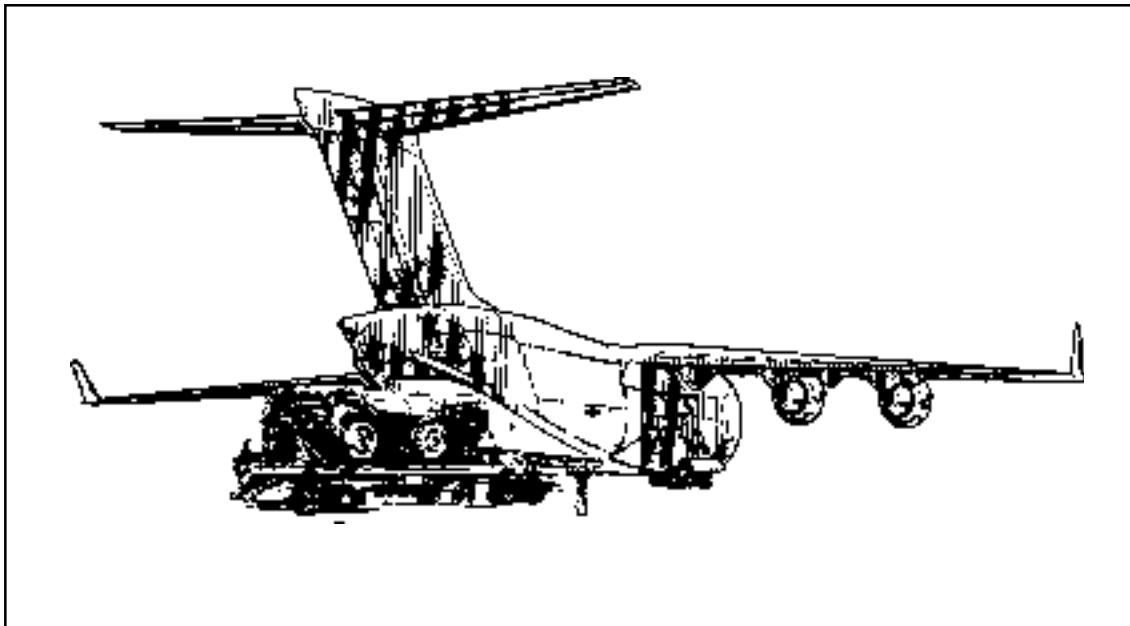


ARMY FM 4-20.116 (FM 10-516)
AIR FORCE TO 13C7-1-13

AIRDROP OF SUPPLIES AND EQUIPMENT:
**Reference Data for Airdrop Platform
Loads**



DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

**HEADQUARTERS
DEPARTMENT OF THE ARMY
DEPARTMENT OF THE AIR FORCE**

**This publication is available on the
General Dennis J. Reimer Training
and Doctrine Digital Library at
www.adtl.army.mil**

Field Manual
NO 4-20.116
Technical Order
NO 13C7-1-13

HEADQUARTERS
DEPARTMENTS OF THE ARMY
AND THE AIR FORCE
Washington, DC, 20 August 2001

Airdrop of Supplies and Equipment Reference Data for Airdrop Platform Loads

TABLE OF CONTENTS

	Page
LIST OF ILLUSTRATIONS	iii
LIST OF TABLES	v
PREFACE	vii
Chapter 1 INTRODUCTION	
General.....	1-1
Special Considerations	1-1
Chapter 2 REFERENCE TABLES	
General.....	2-1
Textile Terminology	2-1
Chapter 3 RIGGED LOAD REFERENCE DATA	
Section - I Introduction	
General.....	3-1
Type V Platform Low-Velocity Airdrop	3-1
Combat-Expendable Platform Low-Velocity Airdrop	3-1
Maritime Aerial Delivery Systems Platform Low-Velocity Airdrop	3-1
Section - II Type V Platform Low-Velocity Airdrop	3-2
Section - III Combat-Expendable Platform Low-Velocity Airdrop	3-121
Section - IV Maritime Aerial Delivery Systems Platform	3-130

* This publication supersedes FM 10-516/TO 13C7-1-13, 31 October 1983

	Page
Chapter 4 AIRCRAFT CAPABILITIES	
General	4-1
C-130 Hercules	4-1
C-141 Starlifter	4-1
C-17 Globemaster	4-2
C-5 Galaxy	4-2
Glossary	Glossary-1
References	References-1

LIST OF ILLUSTRATIONS

Figure		Page
3-1	One Military Utility Vehicle (M-Gator) on an 8-Foot Platform	3-2
3-2	Two Military Utility Vehicles (M-Gator) and Equipment Box Rigged on a 20-Foot Platform	3-3
3-3	One Military Utility Vehicle (M-Gator) and an A-22 Cargo Bag on a 12-Foot Platform	3-4
3-4	Bulk Supplies on an 8-Foot Platform	3-5
3-5	Bulk Supplies in A-22 Cargo Bags on an 8-Foot Platform	3-6
3-6	Bulk Supplies on a 12-Foot Platform	3-7
3-7	FAST Equipment on a 12-Foot Platform	3-8
3-8	Bulk Supplies on a 16-Foot Platform	3-9
3-9	155-Millimeter Ammunition on a 16-Foot Platform	3-10
3-10	20-mm Ammunition on a 16-Foot Platform	3-11
3-11	Mass Supply Boxes on a 16-Foot Platform	3-12
3-12	Mass Supply Boxes on a 20-Foot Platform	3-13
3-13	PLS Pallet with 105-Millimeter Ammunition on a 24-Foot Platform	3-14
3-14	PLS Pallet with A-22 Containers on a 24-Foot Platform	3-15
3-15	3/4-Ton Cargo Trailer	3-16
3-16	M998 Cargo/Troop Carrier	3-17
3-17	M1025 Armament Carrier	3-18
3-18	M1025 Armament Carrier with Additional Accompanying Ammunition Load	3-19
3-19	M56 Smoke Generator Rigged in M1113 HMMWV	3-20
3-20	Two M998 Trucks	3-21
3-21	M102 Howitzer Rigged with 17 Boxes of Ammunition	3-22
3-22	M102 Howitzer Rigged with 23 Boxes of Ammunition	3-23
3-23	M102 Howitzer with 1 1/4-Ton Truck	3-24
3-24	M119 Howitzer Rigged with 30 Boxes of Ammunition	3-25
3-25	M119 Howitzer with 1 1/4-Ton Truck	3-26
3-26	M119 Howitzer rigged with 81-Millimeter Mortar	3-27
3-27	Two M119 Howitzers	3-28
3-28	Two M119 Howitzers with Light Ammunition	3-29
3-29	Two M119 Howitzers Rigged with Two 81-Millimeter Mortars	3-30
3-30	M101A1 Howitzer	3-31
3-31	Type 1 D-5B Tractor Dozer	3-32
3-32	John Deere 450G Lt Full-Track Bulldozer	3-33
3-33	Deployable Universal Combat Earthmover (DEUCE)	3-34
3-34	Three 250-Gallon Water Drums on 8-Foot Platform	3-35
3-35	Three 250-Gallon Water Drums on 12-Foot Platform	3-36
3-36	MMLS in an M998 and a 3/4-Ton Trailer	3-37
3-37	SICPS with the CHS-2	3-38
3-38	CAV	3-39
3-39	M998 Cargo/Troop Carrier (Two Seater) with GRC/206 Air Force Pallet	3-40
3-40	M998 Cargo/Troop Carrier (Four Seater) with GRC/206 Air Force Pallet	3-41
3-41	S-318/G Shelter with AN/GRC-122 Communications Equipment	3-42
3-42	S-502 Shelter with AN/GRC-142 Communications Equipment	3-43
3-43	PU-619M Power Unit	3-44
3-44	PU-620M Power Unit	3-45
3-45	M198 155-Millimeter Howitzer	3-46
3-46	M198 155-Millimeter Howitzer with Accompanying Ammunition	3-47
3-47	Type 1 Towed Roller	3-48
3-48	M435 Towed Roller	3-49
3-49	13-Wheeled Towed Roller	3-50
3-50	11-Wheeled Towed Roller	3-51

LIST OF ILLUSTRATIONS (CONTINUED)

Figure		Page
3-51	MDG 96 Sheepsfoot Roller	3-52
3-52	Thirteen Wheel (Model PT-13) Towed Roller	3-53
3-53	Vibratory Compactor (Model CS-433C)	3-54
3-54	Vibratory Compactor (Model CS-433P)	3-55
3-55	M416 Trailer with Eight TOW Missiles	3-56
3-56	TOW Missiles Rigged in A-22 Cargo Bags	3-57
3-57	TOW Missiles	3-58
3-58	M966 TOW Carrier	3-59
3-59	M4K 4,000 Pound Capacity Forklift	3-60
3-60	6,000-Pound Capacity Forklift	3-61
3-61	M270 4,000-Pound Capacity Forklift	3-62
3-62	1 1/2-Ton Trailer	3-63
3-63	M149A1 400-Gallon Water Trailer	3-64
3-64	M167A1 Gun	3-65
3-65	M167A2 Gun with 1 1/4-Ton Truck	3-66
3-66	FARE with Two 500-gallon Fuel Drums	3-67
3-67	FARE Rigged in an M101A1 3/4-Ton Trailer	3-68
3-68	FARE with Seven 500-Gallon Fuel Drums	3-69
3-69	350-GPM Wheel-Mounted Pumping Assembly with Filter/Separator	3-70
3-70	Three 500-Gallon Drums with Pump and Separator	3-71
3-71	Four 500-Gallon Drums with Pump and Separator	3-72
3-72	Five 500-Gallon Drums with Pump and Separator	3-73
3-73	Six 500-Gallon Drums with Pump and Separator	3-74
3-74	SEE	3-75
3-75	JD410 Tractor	3-76
3-76	Fifteen-Ton Tilt Bed Trailer	3-77
3-77	Five-Bay, Single-Story, Medium Girder (Fixed) Bridge	3-78
3-78	Two-Bay Components for the Seven-Bay, Single-Story Medium Girder (Fixed) Bridge	3-79
3-79	Mobile Over Snow Transport (MOST)	3-80
3-80	M1025 or M1026 Armanent Carrier with TDARS	3-81
3-81	120-Millimeter Mortar and 1 1/4-Ton Truck	3-82
3-82	1 1/4-Ton HMMWV Truck with 120-Millimeter Mortar	3-83
3-83	Koehring 7 1/2-Ton Crane	3-84
3-84	M998 1 1/4-Ton Truck with Six Stinger Weapon Systems	3-85
3-85	Avenger Air Defense Weapons System with ECU and M1097A2 Truck	3-86
3-86	Thirty-six Dragon or Dragon II Missiles in One-Round Containers	3-87
3-87	Four Dragon or Dragon II Missiles in 15-Round Containers	3-88
3-88	Four A-22 Cargo Bags with Dragon or Dragon II Missiles in One-round Containers	3-89
3-89	Four Dragon or Dragon II Missiles in 15-Round Container Rigged in Four A-22 Cargo Slings	3-90
3-90	Thirty-six Javelin Rounds as a Mass Supply Load	3-91
3-91	1 1/2-Ton Ammunition Trailer	3-92
3-92	Mine Clearing Line Charge (MICLIC) on 2 1/2-Ton Trailer	3-93
3-93	600-GPH ROWPU	3-94
3-94	Whole Blood	3-95
3-95	Two Drums without Pumping Assembly	3-96
3-96	Three Drums without Pumping Assembly	3-97
3-97	Three Drums with Pumping Assembly	3-98
3-98	Four Drums without Pumping Assembly	3-99
3-99	Five Drums without Pumping Assembly	3-100

LIST OF ILLUSTRATIONS (CONTINUED)

Figure		Page
3-100	Six Drums without Pumping Assembly	3-101
3-101	Six Drums with Pumping Assembly	3-102
3-102	Seven Drums without Pumping Assembly	3-103
3-103	Seven Drums with Pumping Assembly	3-104
3-104	M996 2-Litter Armored Ambulance	3-105
3-105	M973A 1 1/2-Ton Cargo Carrier Small Unit Support Vehicle (SUSV)	3-106
3-106	M113 Armored Personnel Carrier	3-107
3-107	Ingersol-Rand Model 250-CFM Trailer-Mounted Air Compressor	3-108
3-108	M1081 2 1/2-Ton Cargo Truck	3-109
3-109	M1081 2 1/2-Ton Cargo Truck with Accompanying Load	3-110
3-110	M1093 5-Ton 6x6 Standard Cargo Truck	3-111
3-111	130G Motor Grader	3-112
3-112	950B Scoop-Loader	3-113
3-113	950B Scoop-Loader with Forklift Attachment	3-114
3-114	613WD Water Distributor	3-115
3-115	613S Type I Scraper	3-116
3-116	Rapid Runway Repair Kit on 24-Foot Platform	3-117
3-117	Rapid Runway Repair Kit on 20-Foot Platform	3-118
3-118	Rapid Runway Repair (RRR) Kit-ALPHA	3-119
3-119	Trailer-Mounted Engineer Electrical Tool Outfit	3-120
3-120	Zodiac Mark III Rubber Raiding Craft	3-121
3-121	Zodiac Mark III Futura Rubber Raiding Craft	3-122
3-122	Z-Bird Rubber Raiding Craft	3-123
3-123	Zodiac K40 Rubber Raiding Craft	3-124
3-124	Zodiac K50 Rubber Raiding Craft	3-125
3-125	Double Zodiac F470U Boat	3-126
3-126	One Motorcycle	3-127
3-127	Two Motorcycles	3-128
3-128	Four Wheeled Quad-Runner	3-129
3-129	Naval Special Warfare Rigid Inflatable Boat (NSW RIB)	3-130

Table	LIST OF TABLES	Page
2-1	Chains	2-1
2-2	Cloth, duck, cotton, type III-Army duck	2-2
2-3	Cloth, duck, nylon	2-2
2-4	Cloth, duck, nylon, parachute packs	2-2
2-5	Cloth, muslin, cotton	2-3
2-6	Cloth, muslin, cotton (parachute canopy)	2-3
2-7	Cloth, nylon, parachute, cargo	2-3
2-8	Cloth, parachute, nylon, cargo, and deceleration	2-4
2-9	Cloth, parachute, nylon	2-4
2-10	Cloth, sateen, cotton	2-4
2-11	Cord, nylon	2-5

LIST OF TABLES (CONTINUED)

Table		Page
2-12	Cord, nylon, coreless	2-5
2-13	Cord, elastic, exerciser and shock absorber for aeronautical use	2-6
2-14	Cord, rayon, without core, braided	2-6
2-15	Cord, cotton, general-purpose, type I	2-7
2-16	Felt sheet (hair) and felt roll (hair)	2-8
2-17	Grommet, metallic	2-9
2-18	Lumber	2-13
2-19	Nails	2-15
2-20	Parachute, cargo	2-17
2-21	Parachute, cargo extraction	2-17
2-22	Platform, cargo airdrop, type V	2-18
2-23	Plywood, flat panel	2-18
2-24	Ribbon, nylon, parachute	2-19
2-25	Rope, manila and sisal	2-19
2-26	Sling, cargo, airdrop	2-20
2-27	Sling, endless	2-20
2-28	Tape, textile, cotton, general-purpose	2-21
2-29	Tape, textile, nylon	2-21
2-30	Tape and webbing, textile, rayon	2-22
2-31	Tape, textile and webbing, textile, reinforcing, nylon	2-22
2-32	Tape and webbing, textile, cotton reinforcing, woven	2-23
2-33	Thread, nylon	2-24
2-34	Thread, cotton	2-25
2-35	Webbing, textile, woven nylon	2-29
2-36	Webbing, textile, nylon, tubular	2-30
2-37	Webbing, textile, cotton warp	2-30
2-38	Webbing, textile, elastic, cotton	2-31
2-39	Webbing, textile, cotton, general-purpose	2-31
2-40	Wire strand (6 x 19)	2-33
2-41	Wire strand, steel (corrosion resistant), preformed (aircraft application)	2-33
2-42	Miscellaneous hardware and equipment	2-34

PREFACE

SCOPE

This manual provides a ready-reference planning guide for loads rigged for airdrop. It illustrates the rigged load and contains dimensional data, weight, and center of balance (CB) for each load. Information is also provided on aircraft, extraction parachutes and reference tables of miscellaneous information on materials used to fabricate and maintain air items and to rig airdrop equipment.

USER INFORMATION

The proponent of this publication is HQ TRADOC. You are encouraged to report any errors or omissions and to suggest ways of making this a better manual.

Army personnel, send your comments on DA Form 2028 directly to:

Director
Aerial Delivery and Field Services Department
USA Quartermaster Center and School
1010 Shop Road
Fort Lee, Virginia 23801-1502

Air Force personnel, send your reports on AFTO Form 22 through your respective command Weapons and Tactics to:

Headquarters
Air Mobility Command (AMC/DOKT)
402 Scott Drive, Unit 3AI
Scott AFB, Illinois 62225-5302

Air Force personnel in Special Operations Command, send your reports on AFTO Form 22 HQ AMC/DOK will consolidate and forward changes to:

Director
Aerial Delivery and Field Services Department
USA Quartermaster Center and School
1010 Shop Road
Fort Lee, Virginia 23801-1502

Also send an information copy of AFTO Form 22 to:

WR-ALC/LKCB
460 Richard Ray Blvd.
Robins AFB, Georgia 31098-1640

Chapter 1

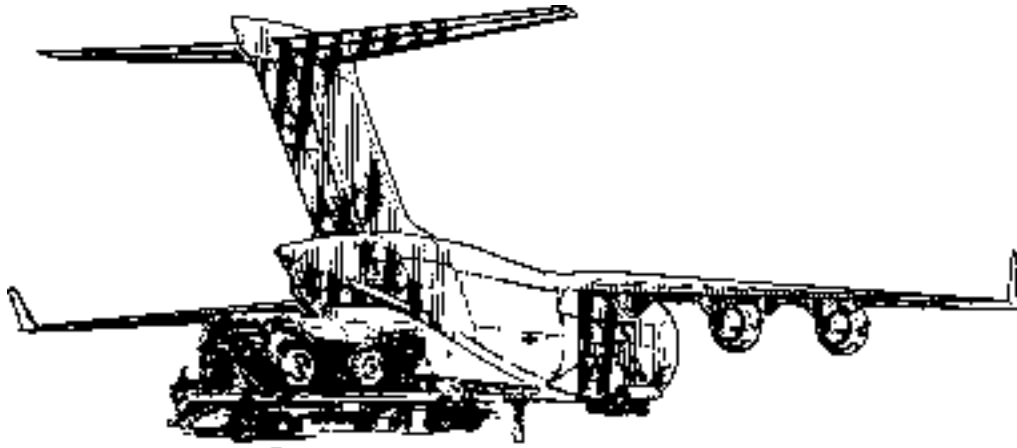
Introduction

GENERAL

1-1. The information in this manual may be used to compute aircraft requirements and to assist the rigger and loadmaster during joint inspection of airdrop loads. The publication containing the procedure for preparing and rigging each load is indicated with the data for the load.

SPECIAL CONSIDERATIONS

1-2. The special considerations applicable to the specific loads are given in the appropriate field manual/technical order.



Chapter 2 Reference Tables

GENERAL

2-1. This chapter contains reference tables of miscellaneous information on materials used to fabricate and maintain air items and to rig airdrop equipment. If detailed information, other than that listed in these tables, is required on specific materials, the DOD Index of Specifications and Standards should be consulted.

TEXTILE TERMINOLOGY

2-2. The textile products listed in this chapter are defined as follows:

- a. CORD.** Cord is a fibrous, braided, cordage item of any diameter.
- b. TAPE.** Tape is a narrow fabric, woven or knitted, produced in widths up to and including 8 inches and in weights up to but not including 0.42 ounces per linear yard of 1-inch width.
- c. THREAD.** Thread is a thin, twisted, smooth strand or filament of vegetable, animal, mineral, or synthetic material, spun out to considerable length, used mainly for hand sewing and machine sewing. The use of thread is determined by a letter or numerical designation which is synonymous.
- d. WEBBING.** Webbing is a narrow fabric, woven or knitted, produced in widths up to and including 12 inches and in weights of 0.42 ounces or over per linear yard of 1-inch width.

Table 2-1. Chains

Size (in)	Weight (lb per lin ft)	Common iron	Safe working load (lb)		
			High-grade iron	Soft steel	Special steel
1/4	0.8	512	563	619	1,240
3/8	1.7	1,350	1,490	1,650	3,200
1/2	2.5	2,250	2,480	2,630	5,250
5/8	4.3	3,470	3,810	4,230	7,600
3/4	5.8	5,070	5,580	6,000	10,500
7/8	8.0	7,000	7,700	8,250	14,330
1	10.7	9,300	10,230	10,600	18,200
1 1/8	12.5	9,871	10,858	11,944	21,500
1 1/4	16.0	12,186	13,304	14,634	26,300
1 3/8	18.3	14,717	16,188	17,807	32,051

Table 2-2. Cloth, duck, cotton, type III- Army duck

Wiegth (oz per yd)	Yarn ply		Yarns per in		Breaking strength (lb)	
	Warp	Fill	Warp	Fill	Warp	Fill
8.25	2	2	60	58	125	120
9.85	2	2	52	40	160	110
12.29	3	2	44	34	210	130
14.77	3	3	44	28	235	175
15.90	3	3	45	34	245	200
18.48	4	4	42	28	315	200

Table 2-3. Cloth, duck, nylon

Weight (oz per sq yd)	Yarns per in		Breaking strength (lb)		Elongation (%)		Tearing strength (lb)	
	Warp	Fill	Warp	Fill	Warp	Fill	Warp	Fill
20.5	62	60	1,100	1,100	30	30	135	135

Table 2-4. Cloth, duck, nylon, parachute packs

Type	Weight (oz per sq yd)	Breaking strength (lb)		Tearing strength (lb)	
		Warp	Fill	Warp	Fill
I	9.50	400	300	35	45
II	8.75	400	150	35	20
III	7.25	325	275	20	20

Table 2-5. Cloth, muslin, cotton

Type	Class	Weight (oz per sq yd)	Yarns per in		Breaking strength (lb)		Note
			Warp	Fill	Warp	Fill	
I	1	2.7	64	58	37	26	Classes: 1-Unbleached 2-Bleached or dyed 3-Bleached or dyed pre-shrunk
	2	2.4	66	52	34	20	
	3	2.5	68	56	36	22	
II	1	3.1	68	70	42	34	
	2	2.7	70	64	38	28	
	3	2.8	72	68	40	30	
III	1	3.4	78	76	46	39	
	2	2.9	80	70	45	32	
	3	3.0	83	74	44	34	
IV	1	2.4	38	36	37	20	
V	1	3.9	56	60	44	50	
VI	2	2.4	64	56	35	25	
VII	2	3.1	85	72	45	30	

Table 2-6. Cloth, muslin, cotton (parachute canopy)

Type	Weight (oz per sq yd)	Yarns per in		Breaking strength (lb)		Tearing strength (lb)		Air permeability (cu ft per sq ft)	
		Warp	Fill	Warp	Fill	Warp	Fill	Min	Max
I	3.7	54	56	48	42	3.0	2.5	170	230
II	3.8	56	58	50	50	3.0	2.5	130	190

Table 2-7. Cloth, nylon, parachute, cargo

Type	Weight (oz per sq yd)	Breaking strength (lb)	
		Warp	Fill
I	2.25	90	90
II	3.50	135	125

Table 2-8. Cloth, parachute, nylon, cargo, and deceleration

Type	Weight (oz per sq yd)	Thickness (in)	Breaking strength (lb)		Tearing strength (lb)	
			Warp	Fill	Warp	Fill
I	4.75	.020	200	200	15	15
II	7.00	.024	300	300	20	20
IIa	10.50	.025	500	500	75	75
III	14.00	.035	600	600	75	75

Table 2-9. Cloth, parachute, nylon

Type	Weight (oz per sq yd)	Thickness (in)	Breaking strength (lb)		Tearing strength (lb)		Note
			Warp	Fill	Warp	Fill	
I	1.1	.033	42	42	5	5	Types: I-Rip-stop weave II-Twill weave III-Rip-stop weave
II	1.6	.004	50	50	5	5	
III	1.6	.004	50	50	4	4	

Table 2-10. Cloth, sateen, cotton

Class	Weight (oz per sq yd)	Yarns per in		Breaking strength (lb)		Note
		Warp	Fill	Warp	Fill	
1	8.2	85	48	140	118	Classes: 1-Dyed 2-White
2	8.2	85	48	115	100	

Table 2-11. Cord, nylon

Type	Breaking strength (lb)	Elongation (%)	Weight (yd per lb)	Note
I	100	30	350	One red thread in sleeve One black thread in sleeve
IA	100	30	350	
II	375	30	105	
III	550	30	75	

Table 2-12. Cord, nylon, coreless

Type	Breaking strength (lb)	Length (ft per lb)
I	100	330
IA	100	330
II	400	255
III	550	150
IV	1,000	120
V	1,500	90
VI	2,000	60
VII	2,500	45
VIII	3,000	36
IX	4,000	27
X	5,000	22
XI	300	480
XII	10,000	12
XIIa	10,000	12
XIII	50	2,700
XIV	100	1,200
XV	200	675
XVI	1,250	105
XVII	1,750	75
XVIII	2,250	51
XIX	3,500	30
XX	4,500	24
XXI	5,500	18
XXII	6,000	15

Table 2-13. Cord, elastic, exerciser and shock absorber for aeronautical use

Type	Diameter (in)	Load for 100% elongation (lb)	Breaking strength (lb)	Weight (lb per 100 ft)	Note
I	1/4	16-28	120	2.4	Types: I- Straight cord with double-braided cover (shock-absorber)
	3/8	90-150	300	5.5	
	1/2	175-250	400	9.0	
	5/8	250-350	500	14	
	3/4	400-650	1,000	22	
II	1/4	32-56			II- Endless ring (Bungee) with double-braided cover (shock-absorber)
	3/8	180-300			
	7/16	260-400			
	1/2	350-500			
	9/16	425-600			
	5/8	500-700			
	11/16	650-850			
	3/4	800-1,300			
III	1 3/16	1,100-1,500			III- Straight cord with single-braided cover (exerciser)
	3/16	6-10			
	5/16	8-15			

Table 2-14. Cord, rayon, without core, braided

Type	Length (ft per lb)	Breaking strength (lb)	Elongation (%)
I	126	400	14
II	60	1,000	
III	39	1,500	

Table 2-15. Cord, cotton, general-purpose, type I

Size	Diameter (in)	Breaking strength (lb)	Number of strands	Length (ft per lb)	Notes
4	1/8	100	8	171	Classification Types: I- General purpose cord II- Sash cord III- Venetian blind cord IV- Special purpose cord Classes: 1- Natural 2- Polished finish 3- Water and mildew-resistant finish 4- Polished and water-resistant finish
5	5/32	160	8	85	
6	3/16	240	12	55	
7	7/32	300	12	45	
8	1/4	370	12	37	
10	5/16	560	12	23	
12	3/8	720	12	17	
16	1/2	1,250	18	10	

Table 2-16. Felt sheet (hair) and felt roll (hair)

Type	Thickness		Weight		Notes
	Nominal (in)	Limits (in)	Nominal (oz per yd)	Limits (oz per yd)	
I	1/8	.112-.137	19	16-22	Type I- Platen or needle loom process, without backing
I	3/16	.169-.205	27	23-31	
I	1/4	.225-.275	35	29-41	
I	1/2	.450-.550	56	50-62	
I	3/4	.675-.825	79	70-88	
I	1	.900-1.1	105	90-120	
I	1 1/4	1.125-1.375	130	112-148	
I	1 1/2	1.350-1.650	156	135-177	
I	1 3/4	1.575-1.925	180	156-204	
I	2	1.8-2.2	207	180-234	
II	1/8	.112-.137	19	16-22	Type II- Punched or needle loom process, with tobacco cloth center reinforcement
II	3/16	.169-.205	27	23-31	
II	1/4	.225-.275	35	29-41	
II	1/2	.450-.550	56	50-62	
II	3/4	.675-.825	79	70-88	
II	1	.900-1.1	105	90-120	
II	1 1/4	1.125-1.375	130	112-148	
II	1 1/2	1.350-1.650	156	135-177	
II	1 3/4	1.575-1.925	180	156-204	
II	2	1.8-2.2	207	180-234	
III	1/8	.112-.137	21	18-24	Type III- Punched or needle loom process, with tobacco cloth center reinforcement (breaking strength requirement)
III	3/16	.169-.205	29	25-33	
III	1/4	.225-.275	37	31-42	
III	1/2	.450-.550	58	52-64	
III	3/4	.675-.825	81	72-90	
III	1	.900-1.1	107	92-124	
III	1 1/4	1.125-1.375	132	114-150	
III	1 1/2	1.350-1.650	158	137-179	
III	1 3/4	1.575-1.925	182	158-206	
III	2	1.8-2.2	209	182-236	
IV	1/8	.112-.137	31	27-35	Type IV- Felted and fully processed: Class I- Untreated Class II- Neutralized
IV	3/16	.169-.205	46	40-52	
IV	1/4	.225-.275	62	54-70	
IV	5/16	.280-.312	77	67-87	
IV	3/8	.338-.412	103	81-125	
IV	1/2	.450-.550	124	108-140	
IV	3/4	.675-.825	206	162-210	
IV	1	.900-1.1	248	216-280	
V	3/16	.169-.205	32	29-34	Type V- Felted process, burlap core
V	1/4	.225-.275	40	36-44	
V	3/8	.338-.412	48	43-53	
V	1/2	.450-.550	64	57-71	

Table 2-17. Grommet, metallic

A- Type I, plain grommet with plain washer

Plain grommet							
Size	ID end of bbl	OD under head	Diameter of head	Height overall	Thickness of head	Tolerances (plus or minus)	Nominal thickness of basic metal
00	.176	.218	.425	.170	.035	.005	.009
0	.240	.290	.545	.210	.035	.005	.011
1	.286	.375	.687	.220	.035	.005	.0126
1-J	.298	.375	.680	.295	.032	.005	.0126
2	.362	.475	.815	.250	.035	.005	.0126
2-J	.394	.490	.840	.295	.035	.005	.016
3	.433	.545	.970	.345	.050	.005	.014
4	.486	.630	1.050	.420	.046	.005	.016
5	.594	.785	1.220	.375	.045	.0075	.016
6	.810	.885	1.750	.312	.080	.0075	.0201
Plain washer							
Diameter of hole	OD of washer	Height overall	Tolerances (plus or minus)	Nominal thickness of basic metal			
.218	.460	.029	.005	.009			
.286	.546	.030	.005	.010			
.359	.700	.041	.005	.0126			
.359	.700	.041	.005	.0126			
.453	.835	.045	.005	.0126			
.453	.835	.045	.005	.0126			
.530	.955	.050	.005	.013			
.585	1.062	.050	.005	.013			
.740	1.205	.055	.0075	.0135			
.875	1.828	.070	.0075	.0201			

Table 2-17. Grommet, metallic- Continued

B- Type II, plain grommet with toothed washer

Plain grommet							
Size	ID end of bbl	OD under head	Diameter of head	Height overall	Thickness of head	Tolerances (plus or minus)	Nominal thickness of basic metal
00	.176	.218	.425	.170	.035	.005	.009
0	.240	.290	.545	.210	.035	.005	.011
1	.286	.375	.687	.220	.035	.005	.0126
1-J	.298	.375	.680	.295	.032	.005	.0126
2	.362	.475	.815	.250	.035	.005	.0126
2-J	.394	.490	.840	.295	.035	.005	.016
3	.433	.545	.970	.345	.050	.005	.014
4	.486	.630	1.050	.420	.046	.005	.016
5	.594	.785	1.220	.375	.045	.0075	.016
6	.810	.885	1.750	.312	.080	.0075	.0201
Toothed washer							
Diameter of hole	OD of washer	Height overall	Thickness of head	Tolerances (plus or minus)	Nominal thickness of basic metal		
.290	.570	.125	.035	.005	.0115		
.350	.680	.140	.040	.005	.014		
.350	.680	.140	.040	.005	.014		
.468	.840	.180	.040	.005	.0126		
.468	.840	.180	.040	.005	.016		
.545	.945	.180	.040	.005	.0126		
.593	1.050	.250	.045	.005	.018		
.720	1.190	.288	.050	.0075	.017		

Table 2-17. Grommet, metallic- Continued

C- Type III, rolled rim grommet with spur washer

Rolled rim grommet								
Size	ID end of bbl	OD under head	Diameter of head	Height overall	Thickness of head	Tolerances (plus or minus)	Nominal thickness of basic metal	See Notes
0	.270	.375	.670	.235	.60	.005	.016	1
1	.380	.480	.790	.270	.065	.005	.016	1
2	.425	.532	.890	.325	.070	.005	.019	1
3	.430	.545	.970	.330	.075	.005	.020	2
4	.560	.695	1.120	.400	.080	.005	.020	3
5	.600	.800	1.285	.465	.085	.0075	.021	4
6	.735	.935	1.535	.510	.090	.0075	.0253	4
7	.883	1.080	1.725	.536	.090	.0075	.020	4
8	1.040	1.300	1.865	.555	.090	.0075	.0253	5
Notes: 1. Washers have one row of 6 teeth. 2. Washers have one row of 7 teeth. 3. Washers have one row of 8 teeth. 4. Washers have two rows of 9 teeth each. 5. Washers have two rows of 20 teeth each.								
Spur washer								
Diameter of hole	OD of washer	Height overall	Thickness of head	Tolerances (plus or minus)	Nominal thickness of basic metal			
.345	.645	.150	.060	.005	.016			
.455	.790	.150	.065	.005	.016			
.512	.890	.156	.070	.005	.020			
.537	.970	.190	.075	.005	.020			
.645	1.120	.205	.080	.005	.020			
.777	1.270	.225	.085	.0075	.021			
.875	1.505	.225	.090	.0075	.0253			
1.062	1.725	.225	.090	.0075	.020			
1.195	1.910	.240	.090	.0075	.020			

Table 2-17. Grommet, metallic- Continued**D- Oblong grommet with flat washer**

Oblong grommet							
Width of hole	Width under head	Width of head	Height overall	Length of hole	Length under head	Length overall	Corner radius
0.1875 + .000 .002	0.221 + .000 - .003	0.406 + .005 -	0.235 + .005 -	1.24 + .000 - .002	1.284 + .003 -	1.470 + .005 -	0.03125 + .003 -
Flat washer							
Nominal basic-metal thickness	Width of hole	Width of washer	Length of hole	Length overall	Nominal thickness of basic metal		
0.013	0.25 + .003 -	0.4375 + .003 -	1.312 + .003 -	1.50 + .003 -	0.0201		

E- Type V oblong grommet with raised washer

Type V oblong grommet								
Size	Width of hole	Width under head	Width of head	Height overall	Length of hole	Length under head	Length overall	Corner radius
1 (3/8 x 1 1/2)	0.290 + .000 .002	0.395 + .002 -	0.915 + .005 -	0.360 + .005 -	1.406 + .000 - .002	1.515 + .002 -	2.015 + .005 -	0.03125 + .003 -
2 (5/16 x 1)	.175 + .000 .002	.249 + .003 -	.665 + .005 -	.245 + .005 -	.830 + .000 - .002	.910 + .002 -	1.315 + .005 -	.0468 + .003 -
Raised washer								
Nominal thickness of basic metal	Width of hole	Width of washer	Height overall	Length of hole	Length overall	Corner radius	Nominal thickness of basic metal	
0.028	0.420 + .003 -	0.915 + .003 -	0.125 + .003 -	1.532 + .003 -	2.010 + .003 -	0.03215 + .003 -	0.028 .003	
.0201	.275 + .003 -	.625 + .003 -	.100 + .003 -	.950 + .003 -	1.290 + .003 -	.0156 .003	0.0201	

Table 2-17. Grommet, metallic- Continued

F- Type VIII eyelet grommet with ring

Type VIII eyelet grommet			Ring			
Size	Weight per gross (approx) (oz*)	"A" diameter after insertion (in)	Size	Weight per gross (approx) (lb) (oz)		"A" diameter (in)
6	30	0.750	6	3	7	1.000
8	36	.825	8	7	6	1.250
10	70	1.250	10	10	5	1.500
11	84	1.500	11	16	14	1.750
15	150	2.000	15	39	14	2.250

*Brass grommets only

Table 2-18. Lumber

A- Minimum dressed sizes of boards (up to 2 inches thick)

Thickness (in)			Face widths (in)		
Minimum size dressed			Minimum size dressed		
Size ordered	Seasoned	Unseasoned	Size ordered	Seasoned	Unseasoned
1	3/4	25/32	2	1 1/2	1 9/16
1 1/4	1	1 1/32	3	2 9/16	2 5/8
1 1/2	1 1/4	1 9/32	4	3 9/16	3 5/8
			5	4 1/2	4 5/8
			6	5 1/2	5 5/8
			7	6 1/2	6 5/8
			8	7 1/2	7 5/8
			9	8 1/2	8 3/4
			10	9 1/2	9 3/4
			11	10 1/2	10 3/4
			12	11 1/2	11 3/4
			14	13 1/2	13 3/4
			16	15 1/2	15 3/4
2	1 1/2	1 9/16	2	1 1/2	1 9/16
			3	2 9/16	2 5/8
			4	3 9/16	3 5/8
			5	4 1/2	4 5/8
			6	5 1/2	5 5/8
			7	6 1/2	6 5/8
			8	7 1/2	7 5/8
			9	8 1/2	8 3/4
			10	9 1/2	9 3/4
			11	10 1/2	10 3/4
			12	11 1/2	11 3/4
			14	13 1/2	13 3/4
			16	15 1/2	15 3/4

Table 2-18. Lumber- Continued

B- Minimum dressed sizes of boards (over 2 inches thick) and timbers

Items	Thickness (in)		Face widths (in)	
	Size ordered	Minimum size dressed	Size ordered	Minimum size dressed
		Seasoned or Unseasoned		Seasoned or Unseasoned
Boards	2 1/2	2 1/8	3	2 5/8
	3	2 1/8	4	3 5/8
	3 1/2	3 1/8	6	5 1/2
	4	3 5/8	8	7 1/2
			10	9 1/2
			12	11 1/2
			14	13 1/2
			16	15 1/2
Timbers	5 and thicker	1/2 off	5 and thicker	1/2 off

C- Finished dressed sizes of seasoned worked lumber

Thickness (in)		Face widths (in)	
Minimum size dressed	Size ordered	Size ordered	Minimum size dressed
3/8	5/16	2	1 1/2
1/2	7/16	3	2 9/16
5/8	9/16	4	3 9/16
3/4	5/8	5	4 1/2
1	3/4	6	5 1/2
1 1/4	1	7	6 1/2
1 1/2	1 1/4	8	7 1/4
1 3/4	1 3/8	9	8 1/4
2	1 1/2	10	9 1/4
2 1/2	2	11	10 1/4
3	2 9/16	12	11 1/4
3 1/2	3 1/16	14	13 1/4
4	3 9/16	16	15 1/4

Table 2-19. Nails
A- Brads

Dash no	Length (in)	Diameter (in)	No per lb (approx)
- 1	3/8	.0348	9520
- 2	1/2	.0348	7060
- 3	5/8	.0348	5680
- 4	3/4	.0348	4800
- 5	7/8	.0348	4220
- 6	1	.054	1502
- 7	1	.0625	1120
- 8	1 1/4	.0625	940
- 9	1 1/2	.080	470
- 10	1 3/4	.0625	672
- 11	1 3/4	.080	400
- 12	2	.080	350
- 13	2 1/4	.080	320
- 14	2 1/2	.080	290

B- Nails, casing

Dash no	Common designation	Length (in)	Diameter (in)	No per lb (approx)
- 15	4d	1 1/2	.080	489
- 16	6d	2	.099	244
- 17	8d	2 1/2	.113	147
- 18	10d	3	.128	96
- 19	12d	3 1/4	.128	88
- 20	16d	3 1/2	.135	74

C- Nails, finishing

Dash no	Common designation	Length (in)	Diameter (in)	No per lb (approx)
- 21	3d	1 1/4	.067	880
- 22	4d	1 1/2	.072	630
- 23	5d	1 3/4	.072	535
- 24	6d	2	.0915	288
- 25	7d	2 1/4	.0915	254
- 26	8d	2 1/2	.099	196
- 27	9d	2 3/4	.099	178
- 28	10d	3	.113	124
- 29	12d	3 1/4	.113	113
- 30	16d	3 1/2	.1205	93
- 31	20d	4	.135	65

Table 2-19. Nails- Continued

D- Nails, bright				
Dash no	Common designation	Length (in)	Diameter (in)	No per lb (approx)
- 1	2d	1	.072	810
- 2	3d	1 1/4	.080	540
- 3	4d	1 1/2	.099	300
- 4	5d	1 3/4	.099	255
- 5	6d	2	.113	170
- 6	7d	2 1/4	.113	150
- 7	8d	2 1/2	.131	95
- 8	9d	2 3/4	.131	90
- 9	10d	3	.1483	65
- 10	12d	3 1/4	.1483	60
- 11	16d	3 1/2	.162	46
- 12	20d	4	.192	28
- 13	30d	4 1/2	.207	20
- 14	40d	5	.2253	17
- 15	50d	5 1/2	.2437	13
- 16	60d	6	.2625	10
E- Nails, zinc-coated				
Dash no	Common designation	Length (in)	Diameter (in)	No per lb (approx)
- 17	2d	1	.072	789
- 18	4d	1 1/2	.099	274
- 19	6d	2	.113	155
- 20	8d	2 1/2	.131	91
- 21	10d	3	.1483	61
- 22	12d	3 1/4	.1483	57
- 23	16d	3 1/2	.162	44
- 24	20d	4	.192	26
- 25	30d	4 1/2	.207	20
- 26	40d	5	.2253	17
- 27	50d	5 1/2	.2437	13
- 28	60d	6	.2625	10

Table 2-19. Nails- Continued

F- Nails, copper			
Dash no	Length (in)	Diameter (in)	No per lb (approx)
- 29	1	.072	704
- 30	1 1/2	.109	208
- 31	2	.120	130
- 32	2 1/2	.134	86
- 33	3	.148	56
- 34	3 1/2	.165	40
- 35	4	.203	23
- 36	4 1/2	.220	18
- 37	5	.238	14

Table 2-20. Parachute, cargo

Type	Weight (lb)	Maximum load limit (lb)
68" pilot chute	3	50
T-10 modified cargo	25	500
15' cargo extraction	19	500
G-14	37	500
G-13	45	500
12' high velocity	7.75	500
22' cargo extraction	33.5	2,200
26' high velocity	22	2,200
G-12E	128	2,200
G-11	250	5,000

Table 2-21. Parachute, cargo extraction

Size (ft)	Weight (lb)	
	Canopy	Packed
15	8.0	19.0
22	27.5	33.5
28	36.5	38.5

Table 2-22. Platform, cargo airdrop, type V

Length (ft)	Width (in)	Weight (lb)	Platform surface (sq ft)	Minimum rigged weight (lb)
8	108	820	72	2,520
12	108	1,220	108	3,780
16	108	1,590	144	5,040
20	108	1,950	180	6,300
24	108	2,280	216	7,560
28	108	2,820	252	8,820
32	108	3,056	288	10,080

Table 2-23. Plywood, flat panel

Thickness (in)	Width (in)	Length (in)	Note
1/4	48	96	Types: Exterior: Type I- The glue line is water - proof and unaffected by micro-organisms. *Minimum grade standard for airdrop is AC Exterior Type I Interior: Type II- The glue line will withstand occasional wetting and drying. Type III- The glue is suitable only for use where the plywood will not be subjected to water, dampness, or high humidity. Classes: A- Hardwood B- Douglas fir C- Pine D- Western softwood E- Southern pine
3/8	48	96	
1/2	48	96	
5/8	48	96	
3/4	48	96	
1	48	96	

Table 2-24. Ribbon, nylon, parachute

Class	Type	Width (in)	Weight (yd per lb)	Breaking Strength (lb)
A Extra lightweight	I	.250	1300	13
	II	.375	875	18
	III	.625	440	43
	IV	1.250	260	65
	V	2.000	165	96
B Lightweight	I	.250	970	22
	II	.375	650	33
	II	.625	360	70
	IV	1.250	210	120
	V	2.000	120	200
	VI	5.000	50	100
C Mediumweight	I	.250	770	39
	II	.375	520	58
	III	.625	335	90
	IV	1.250	160	185
	V	2.000	100	300
D Heavyweight	I	1.250	80	280
	II	2.000	45	1,000
E Extra heavyweight	I	1.250	50	650
	II	2.000	30	1,000

Table 2-25. Rope, manila and sisal

Nominal diameter (in)	Circum- ference (in)	Weight per 100 ft (lb)	No 1 Manila		Sisal	
			Weight (yd per lb)	Safe load (lb)	Breaking strength (lb)	Safe load (lb)
1/4	3/4	1.71	550	150	440	120
3/8	1 1/8	3.45	1,275	325	1,020	260
1/2	1 1/2	7.36	2,650	660	2,120	520
5/8	2	13.1	4,400	1,100	3,520	880
3/4	2 1/4	16.4	5,400	1,350	4,320	1,080
7/8	2 3/4	22.0	7,700	1,920	6,160	1,540
1	3	26.0	9,000	2,250	7,200	1,800
1 1/8	3 1/2	35.2	12,000	3,000	9,600	2,400
1 1/4	3 3/4	40.8	13,500	3,380	10,800	2,700
1 1/2	4 1/2	58.8	18,500	4,620	14,800	3,700
1 3/4	5 1/2	87.7	26,500	6,625	21,200	5,300
2	6	105.0	31,000	7,750	24,800	6,200
2 1/2	7 1/2	163.0	46,500	11,620	37,200	9,300
3	9	237.0	64,000	16,000	51,200	12,800

Table 2-26. Sling, cargo, airdrop

No per suspension point	No of loops per sling	Safe load
1	2 4	0 to 14,000 1,401 to 40,000

Table 2-27. Sling, endless

Fiber Rope				
Type	Rope circumference (in)	Inside perimeter (ft)	Safe working load (lb)	Breaking strength (lb)
I	3	24	1,800	9,000
II	3 1/4	40	2,100	10,500
II	3 1/2	80	2,400	12,000
IV	4	80	3,000	15,000
Wire Rope, grommet				
Diameter (in)	Safe working load (lb)		Proof load vertical hitch (lb)	Breaking strength (lb)
	Veritcal hitch	Choker hitch		
3/4	15,200	11,400	30,400	76,000

Table 2-28. Tape, textile, cotton, general-purpose

Type	Width (in)	Warp strength (lb)
I	1/4	25
I	3/8	30
I	7/16	35
I	1/2	42
I	5/8	50
I	11/16	58
I	3/4	65
I	13/16	72
I	7/8	80
I	1	85
I	1 1/16	90
I	1 1/8	95
I	1 1/4	115
I	1 1/2	130
II	3/16	22
II	1/2	50
II	5/8	60
III	3/16	14
III	1/4	18
III	3/8	24
III	1/2	35
III	9/16	36
III	1	65

Table 2-29. Tape, textile, nylon

Type	Width (in)	Thickness (in)	Weight (oz per lin yd)	Breaking strength (lb)	Elongation (%)	Notes
Parachute Construction						One black thread in center Use:
I	1	.025-.045	.40	525	16	Type I- Skirt bands
II	1	.010-.030	.145	300	14	Type II- Reinforcing bands
Multiple tubular	1 5/16	.020	.40	500	20	

Table 2-30. Tape and webbing, textile, rayon

Type	Width (in)	Length (lin yd per lb)	Breaking strength (lb)	Notes
I	9/16	200	50	When specified, all rayon tape and webbing will contain one red thread in center. Types: I - Flat-weave tape Ia - Flat-weave webbing II - Tubular-weave webbing
I	1 1/8	100	100	
I	1 1/4	80	140	
Ia	3/8	100	160	
Ia	9/16	40	500	
Ia	1	32	500	
Ia	1 5/8	15	750	
II	1/8	125	150	
II	3/16	100	200	
II	1/2	40	500	
II	9/16	40	500	
II	5/8	23	900	

Table 2-31. Tape, textile and webbing, textile, reinforcing, nylon

Type	Width (in)	Thickness (in)	Weight (oz per yd)	Breaking strength (lb)	Notes
II	1	.025-.035	.40	900	Types: II- Tape, herringbone twill weave
	1 1/2	.025-.035	.60	1,300	
	2	.025-.035	.80	1,700	
III	3/8	.015-.025	.12	200	III- Tape, plain weave
	1/2	.015-.025	.15	250	
	3/4	.015-.025	.20	400	
	1	.015-.025	.30	525	
IV	1 1/2	.015-.025	.40	900	IV- Webbing, plain weave
	1/2	.030-.040	.35	550	
	5/8	.030-.040	.40	625	
	1	.030-.040	.50	1,000	
	1 1/8	.030-.040	.60	1,100	
V	1 1/2	.030-.040	.75	1,500	V- Tape, herringbone twill weave
	9/16	.020-.030	.20	500	
VI	3/4	.020-.030	.20	425	VI- Tape, herringbone twill weave

Table 2-32. Tape and webbing, textile, cotton reinforcing, woven

Type	Width (in)	Weight (oz per lin yd)	Breaking strength (lb)	Notes
I	1/4	.11	80	Types: I- Plain
	3/8	.15	120	
	1/2	.22	150	
	5/8	.28	170	
	3/4	.33	200	
II	1	.47	250	II- Double herringbone
	1/2	.15	110	
	3/4	.22	165	
	1	.29	220	
	1 1/4	.36	275	
	1 1/2	.43	330	
III	1 3/4	.50	375	III- Twill
	2	.57	425	
	1/2	.10	45	
	5/8	.12	55	
V	3/4	.14	75	V- Plain (traverse cord)
	1	.65	350	
VI	2	1.30	650	VI- Nonelastic
	5/8	.23	80	
	1	.98	375	

Table 2-33. Thread, nylon

A- Type I - Twisted, soft, multiple cord				
Size	Ply	Length (yd per lb)	Breaking strength (lb)	Notes
0000	2	45,200	.85	Classes: 1- Low elongation 2- Normal elongation
000	3	29,500	1.30	
00	2	25,800	1.85	
A	3	16,900	2.75	
AA	3	12,600	4.5	
B	2 or 3	8,200	5.50	
E	3	5,600	8.50	
F	4	3,750	11.0	
FF	3	2,725	16.0	
FFF	3	2,900	17.0	
3	3	1,800	24.0	
4	3	1,300	32.0	
5	3	1,000	40.0	
6	3	850	50.0	
7	3	725	60.0	
8	3	625	68.0	
9	3	550	80.0	
10	3	450	90.0	
B- Type II - Twisted, bonded, multiple cord				
Size	Ply	Length (yd per lb)	Breaking strength (lb)	
0000	2	40,000	.85	
000	3	26,000	1.30	
00	2	23,000	1.85	
A	3	15,000	2.75	
AA	3	11,800	4.5	
B	2 or 3	7,375	5.50	
E	3	5,000	8.50	
F	4	3,350	11.0	
FF	3	2,450	16.0	
3	3	1,600	24.0	
4	3	1,200	32.0	
5	3	950	40.0	
6	3	775	50.0	
7	3	650	60.0	
8	3	575	68.0	
9	3	500	80.0	
10	3	450	90.0	

Table 2-34. Thread, cotton

A- Type II - Twisted, bonded, multiple cord					
Ply	Ticket no	Yarn size	Minimum length (yd per lb)	Min breaking strength (lb)	Notes
2	60	30/2	12,145	1.4	Finish: 1A- Soft finish
2	70	34/2	14,065	1.2	
2	80	40/2	16,400	1.0	Types: 1A1- Unbleached 1A2- White and tints 1A3- Black and colors
2	90	44/2	17,945	0.9	
2	*140	58/2	23,000	1.1	
3	20	20/3	5,040	4.0	
3	24	22/3	5,720	3.6	
3	30	28/3	7,275	3.0	
3	36	32/3	8,535	2.7	
3	40	34/3	9,404	2.3	
3	50	40/3	10,800	2.1	
3	60	44/3	12,125	1.8	
3	70	52/3	14,065	1.5	S- twist S- twist
3	80	60/3	16,400	1.3	
3	70s	58/3	15,700	1.6	
3	80s	66/3	17,900	1.4	
3	90	76/3	21,000	1.1	
4	12	14/4	2,810	8.0	
4	16	20/4	3,880	6.0	
4	20	26/4	5,040	4.7	
4	24	28/4	5,720	4.1	
4	30	36/4	7,275	3.2	
4	36	42/4	8,535	2.7	
4	40	46/4	9,405	2.5	
4	50	58/4	11,835	2.0	
6	20	36/2/3	4,850	4.0	
6	24	44/2/3	5,915	3.5	
6	30	52/2/3	7,225	3.0	
6	36	60/2/3	8,340	2.6	
6	40	70/2/3	9,600	2.3	
6	50	86/2/3	12,025	1.9	
6	60	96/2/3	13,285	1.7	
6	70	104/2/3	14,450	1.5	
6	80	115/2/3	16,005	1.4	

* A special high-grade thread which must be made from fine, strong cotton.

Table 2-34. Thread, cotton- Continued

B- Machine thread (types 1B1, 1B2, and 1B3)					
Ply	Ticket no	Yarn size	Minimum length (yd per lb)	Min breaking strength (lb)	Notes
2	60	28/2	11,520	1.5	Finish: 1B- Glazed finish Types: 1B1- Unbleached 1B2- White and tints 1B3- Black and colors
2	70	32/2	13,360	1.3	
2	80	38/2	15,580	1.1	
2	90	42/2	17,050	1.0	
3	20	18/3	4,790	4.3	
3	24	20/3	5,435	3.9	
3	30	26/3	6,910	3.2	
3	36	32/3	8,110	2.8	
3	40	34/3	8,935	2.4	
3	50	38/3	10,260	2.2	
3	60	42/3	11,520	2.0	
3	70	50/3	13,360	1.6	
3	80	58/3	15,580	1.4	
4	12	14/4	2,670	8.8	
4	16	20/4	3,685	6.4	
4	20	24/4	4,790	5.1	
4	24	28/4	5,435	4.4	
4	30	34/4	6,910	3.5	
4	36	40/4	8,110	2.9	
4	40	44/4	8,935	2.7	
4	50	56/4	11,245	2.1	
	C- Machine thread (types 1C1 and 1C2)				
Ply	Ticket no	Yarn size	Minimum length (yd per lb)	Min breaking strength (lb)	Notes
2	20	20/2	8,000	2.6	Finish: 1C- Mercerized finish Types: 1C1- White and tints 1C2- Black and colors
2	24	24/2	9,600	2.2	
2	30	30/2	11,000	1.65	
2	36	36/2	14,400	1.5	
2	40	40/2	16,000	1.3	
2	50	48/2	19,200	1.2	
2	60	60/2	24,400	0.9	
3	C	22/3	6,010	4.2	
3	B	28/3	7,760	3.4	
3	A	34/3	9,215	2.9	
3	0	38/3	10,280	2.6	
3	00	44/3	12,220	2.1	
3	000	56/3	15,520	1.7	
3	0000	76/3	21,340	1.2	

Table 2-34. Thread, cotton- Continued

D- Blasting thread (types IIA1 and IIA2)					
Ply	Ticket no	Yarn size	Minimum length (yd per lb)	Min breaking strength (lb)	Notes
3	30	28/3	7,530	25	Finish: IIA- Glazed finish Types: IIA1- White IIA2- Black
E-Heavy thread (type IIIA - soft finish)					
Ply	Ticket no	Yarn size	Minimum length (yd per lb)	Min breaking strength (lb)	Notes
3	8/3	---	2,150	9	III- Heavy thread IIIA- Glazed finish
3	10/3	---	2,660	8	
4	8/4	---	1,600	13	
4	9/4	---	1,830	12	
4	10/4	---	1,990	11	
5	10/5	---	1,590	14	
6	10/6	---	1,330	17	
F-Heavy thread (type IIIB- glazed finish)					
Ply	Ticket no	Yarn size	Minimum length (yd per lb)	Min breaking strength (lb)	
3	8/3	---	1,935	10	
3	10/3	---	2,395	9	
4	8/4	---	1,440	14	
4	10/4	---	1,790	12	
5	10/5	---	1,430	15	
6	10/6	---	1,195	18	

Table 2-34. Thread, cotton- Continued

G-Shoe thread (type IVA- soft finish)**				
Ply	Ticket no	Yarn size	Minimum length (yd per lb)	Min breaking strength (lb)
4	8/4	---	1,600	15
5	8/5	---	1,275	22
6	8/6	---	1,060	27
7	8/7	---	910	30
8	8/8	---	800	34
9	8/9	---	705	39
10	8/10	---	640	44
11	8/11	---	580	48
12	8/12	---	530	54
H-Shoe thread (type IVB- glazed finish)**				
Ply	Ticket no	Yarn size	Minimum length (yd per lb)	Min breaking strength (lb)
4	8/4	---	1,520	16
5	8/5	---	1,210	23
6	8/6	---	1,000	29
7	8/7	---	865	32
8	8/8	---	760	36
9	8/9	---	670	41
10	8/10	---	605	46
11	8/11	---	550	51
12	8/12	---	505	57

**It is recommended that applicable threads covered in these tables be used as substitutes for threads that were covered by MIL-T-5660, threads, cotton, high tenacity. On the basis of practical equivalency, the following substitutes are recommended:

For MIL-T-5660
Style A, ticket no

3
4
5
6
7
8
9

Type I (soft)
Type II (polished)

Use V-T-276

Type IV, ticket no 8/4
8/5
8/7
8/9
8/10
8/11
8/12

Finish A (soft)
Finish B (glazed)

Table 2-35. Webbing, textile, woven nylon

Type	Width (in)	Thickness (in)	Weight (oz per lin yd)	Breaking strength (lb)	Notes
I	9/16	.025-.04	0.28	500	
Ia	3/4	.025-.035	0.32	600	
II	1	.025-.040	0.42	600	
III	1 1/4	.025-.040	0.52	800	
IV	3	.025-.040	1.20	1,800	Identifying threads:
VI	1 23/32	.030-.050	1.15	2,500	Two red threads in center
VII	1 23/32	.060-.100	2.35	5,500	Two yellow threads at each edge
VIII	1 23/32	.040-.070	1.60	3,600	Two black threads in center
VIIIa	3	.040-.070	2.80	6,300	
VIIIb	2	.040-.070	1.80	4,500	
VIIIc	2 1/4	.040-.070	2.10	5,300	
IX	3	.065-.100	4.00	9,000	
X	1 23/32	.105-.140	3.70	8,700	
XII	1 23/32	.025-.040	0.85	1,200	One red thread at each edge
XIII	1 23/32	.080-.120	2.90	6,500	Two black threads at each edge
XIV	1/12	.070-.100	0.80	1,200	
XV	2	.035-.050	1.25	1,500	
XVI	1 23/32	.045-.080	2.00	4,500	
XVII	1	.045-.070	1.15	2,500	
XVIII	1	.100-.160	2.05	6,000	
XIX	1 3/4	.100-.130	4.10	10,000	Two green threads in center
XX	1	.180-.220	3.25	9,000	
XXI	1 1/4	.065-.085	1.70	3,600	
XXII	1 23/32	.090-.120	3.50	9,500	Two black threads at each edge
XXIII	1 1/8	.200-.300	3.70	12,000	and in center
XXIV	1 15/16	.055-.075	2.25	5,000	
XXV	1	.080-.125	1.50	4,500	
XXVI	1 3/4	.150-.180	4.90	15,000	Two yellow threads in center
XXVII	1 23/32	.085-.110	2.90	6,500	One black thread at each edge
XXVIII	2 1/4	.080-.110	3.80	8,700	

Table 2-36. Webbing, textile, nylon, tubular

Width (in)	Thickness (in)	Weight (oz per yd)	Breaking strength (lb)	Notes
1/2	0.090	0.50	1,000	Identifying threads: One black thread in centered (dyed)
9/16	0.090	0.60	1,500	Three black threads - one at each edge and in center (dyed)
5/8	0.100	0.75	2,250	Two black threads in center (dyed)
3/4	0.120	1.05	2,300	One black thread in center (dyed)
7/8	0.120	1.00	3,100	None
1	0.120	1.70	4,000	One black thread in center (dyed)

Table 2-37. Webbing, textile, cotton warp

Type	Width (in)	Thickness (in)	Weight (oz per yd)	Breaking strength (lb)	Notes
I	9/16	.040-.050	0.40	350	Classes:
II	1	.040-.050	0.75	575	1A- Undyed and not fungus proofed
II	1 1/4	.040-.050	0.90	750	1B- Undyed and fungus proofed
IV	3	.050-.100	2.50	1,900	2A- Dyed and not fungus proofed
V	5	.050-.100	4.30	3,100	2B- Dyed and fungus proofed
VI	1 3/4	.070-.090	2.10	1,800	3- Resin dyed and fungus proofed during dyeing
VII	1 3/4	.140-.170	3.00	2,600	Identifying threads: Two black threads at each edge
VIII	1 3/4	.075-.095	3.00	2,900	Two black threads in center
IX	3	.090-.115	4.65	4,500	
X	1 3/4	.130-.150	3.50	5,000	
XII	1 3/4	.040-.050	1.25	1,000	
XIII	1 3/4	.100-.130	3.40	3,400	Two red threads in center
XV	1 3/4	.130-.150	3.50	4,500	Two red threads at each edge
XVI	1 3/4	.095-.115	2.60	2,700	Two yellow threads in center
XVII	1	.075-.095	1.25	1,000	
XVIII	2 1/2	.050-.060	1.40	1,250	
XIX	2	.13-.01	3.68	2,500	

Table 2-38. Webbing, textile, elastic, cotton

Class	Width (in)	Thickness (in)	Weight (oz per lin yd)	Load range to produce 50% elongation (lb)
1	3/8	.016-.046	0.28	1.15-.3.25
	1/2	.016-.046	0.38	1.35-.3.75
	3/4	.016-.046	0.53	1.80-.5.00
	7/8	.016-.046	0.55	0.90-.4.37
	1	.016-.046	0.73	3.00-.5.50
	1 1/2	.016-.046	1.00	5.00-.7.00
	2	.031-.061	1.60	6.00-.11.00
	2 1/2	.031-.061	2.00	8.00-.12.50
2	1 1/2	.094-.156	2.30	7.20-.17.50
3*	1 1/2	.094-.156	2.35	15.30-31.25

*Used for parachute packs and ripcord grip pockets

Table 2-39. Webbing, textile, cotton, general-purpose

A-Type II, medium- weight webbing (hard texture)			
Width (in)	Weight (oz per lin yd)	Breaking strength (lb)	Notes
3/8	0.20	100	Classes: 1- Natural 1a- Natural, water-repellent, mildew-resistant, 2,2' methylenebis (4-chlorophenol) 1b- Natural, water-repellent, mildew-resistant, (copper 8-quinolinolate) 2- Bleached 2a- Bleached, water-repellent, mildew-resistant, 2,2' methylenebis (4-chlorophenol) 3- Dyed 4- Dyed, water-repellent, mildew-resistant, (copper 8-quinolate) 7- Dyed, water-repellent, mildew-resistant, 2,2' methylenebis (4-chlorophenol) 8- Dyed, water-repellent
1/2	0.32	160	
5/8	0.40	200	
3/4	0.48	235	
1	0.65	315	
1 1/4	0.81	385	
1 1/2	0.97	460	
2	1.30	585	
2 3/4	1.78	760	
3	1.95	810	
3 3/4	2.43		
5	3.25		
5 5/8	3.65		

Table 2-39. Webbing, textile, cotton, general-purpose- Continued

B- Type IIa, medium- weight webbing (soft texture)		
Width (in)	Weight (oz per lin yd)	Breaking strength (lb)
3/8	0.25	130
1/2	0.33	160
5/8	0.41	195
3/4	0.49	230
1	0.65	300
1 1/4	0.81	370
1 1/2	0.97	440
2	1.30	580
2 1/4	1.47	645
C-Type IIb, medium heavy weight webbing		
Width (in)	Weight (oz per lin yd)	Breaking strength (lb)
5/8	0.60	310
3/4	0.72	365
1	0.96	475
1 1/4	1.20	590
1 1/2	1.44	700
2	1.92	925
2 1/4	2.25	1,050
3	2.88	1,375
D-Type III, heavy weight webbing		
Width (in)	Weight (oz per lin yd)	Breaking strength (lb)
5/8	1.00	380
3/4	1.20	460
1	1.33	550
1 1/4	1.50	650
1 1/4	2.00	720
1 1/2	2.40	860
2	2.65	1,100
2 1/2	4.00	1,360
3	4.80	1,560

Table 2-40. Wire strand (6 x 19)

Diameter (in)	Weight (lb per 100 ft)	Breaking strength (tn)		
		Mild plow steel	Plow steel	Improved plow steel
1/4	10	2.07	2.39	2.74
3/8	23	5.0	5.5	6.3
1/2	40	8.5	9.4	10.8
5/8	63	13.1	14.4	16.6
3/4	90	18.7	20.6	23.7
7/8	123	25.4	28.0	32.2
1	160	33.0	36.5	42.0
1 1/8	203	41.5	46.0	53.0
1 1/4	250	51.0	56.5	65.0
1 1/2	360	72.5	80.5	92.5

Table 2-41. Wire strand, steel (corrosion resistant), preformed (aircraft application)

Cable type	Nominal diameter (in)	Breaking strength (lb)	Weight (lb per 100 ft)	Notes
I	1/32	150	.025	Types: I- Nonflexible 1x7, with wire center
	3/64	375	0.55	
II	1/16	500	0.85	II- Nonflexible 1x19, with wire center
	5/64	800	1.40	
	3/32	1,200	2.00	
	7/64	1,600	2.70	
	1/8	2,100	3.50	
	5/32	3,300	5.50	
	3/16	4,700	7.70	
	7/32	6,300	10.20	
	1/4	8,200	13.50	
	5/16	12,500	21.00	

Table 2-42. Miscellaneous hardware and equipment

Item	Working strength (lb)
Adapter, parachute harness, quick-fit	2,500
Adapter, parachute harness, reversible, quick-fit	2,500
Clevis, riser, airdrop, type III	2,000
Clevis, platform, type V	10,000
Clevis, suspension, airdrop, type I:	
1- inch diameter (large suspension clevis)	40,000
3/4- inch diameter (cargo suspension clevis)	20,000
5/8- inch diameter (small suspension clevis)	20,000
Clevis, tiedown, airdrop, type II:	
5/8- inch diameter	15,000
1/2- inch diameter	7,000
Container kits, airdrop:	
A-7A, Sling	500
A-21, Bag	500
A-22, Bag	2,200
Two point link assembly, 3 3/4	30,000
Two point link assembly, 5 1/2	30,000
Link, parachute, connector, L- bar type	3,000
Ring, parachute harness "D"	5,000
Ring, parachute harness "V"	2,500
Ring, parachute harness, quick-fit, "V" type	2,500
Snap, parachute harness, ejector	2,500
Snap, parachute harness, quick-fit, ejector	2,500
Strapping, steel, 5/8-in wide, 0.02-in thick (safe load per double thickness: 250 lb)	1,000
Tiedown, cargo, aircraft:	
Type CGU-1B	5,000
Type MB-1 or CGU-4/E	10,000
Type MB-2 or CGU-3/E	25,000
Tiedown, cargo, aircraft, nylon web net:	
Type MA-2 (15' x 15')	10,000
Type MA-3 (20' x 15')	10,000

Chapter 3

Rigged Load Reference Data

SECTION I- INTRODUCTION

GENERAL

3-1. This chapter contains illustrations and reference data on completely rigged airdrop platforms.

TYPE V PLATFORM LOW-VELOCITY AIRDROP

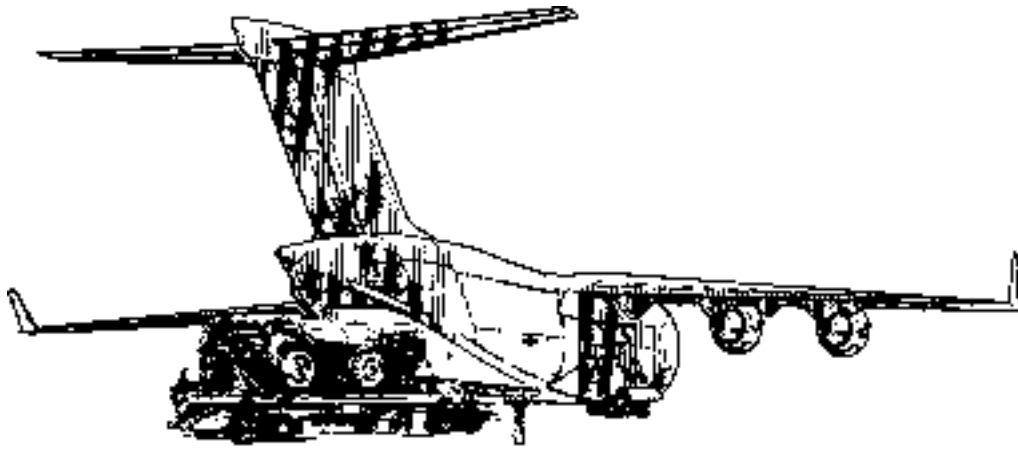
3-2. Loads rigged on type V platform for low-velocity airdrop are contained in section II.

COMBAT-EXPENDABLE PLATFORM LOW-VELOCITY AIRDROP

3-3. Loads rigged on combat-expendable platform for low-velocity airdrop are contained in section III.

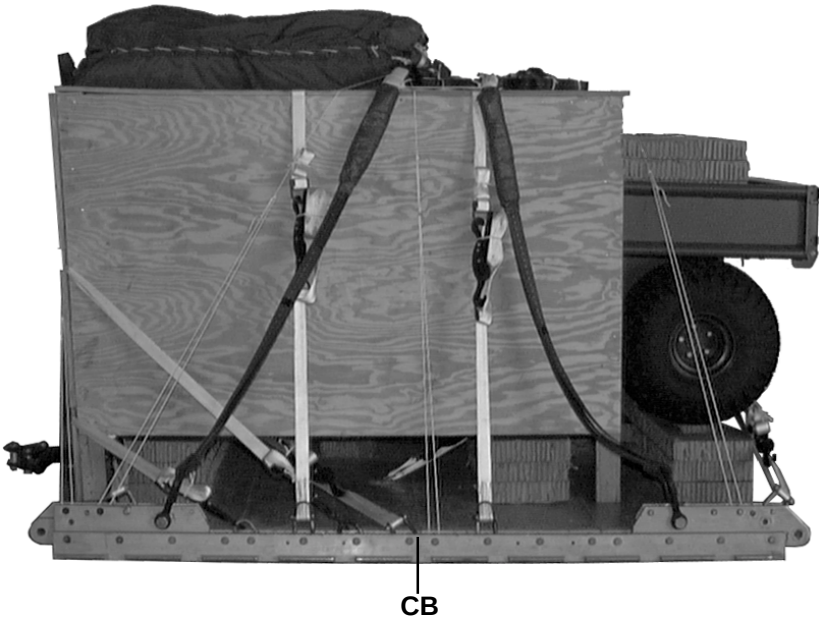
MARITIME AERIAL DELIVERY SYSTEMS PLATFORM LOW-VELOCITY AIRDROP

3-4. Loads rigged on maritime aerial delivery systems platform for low-velocity airdrop are contained in section IV.



SECTION II- TYPE V PLATFORM LOW-VELOCITY AIRDROP

One Military Utility Vehicle (M-Gator) Rigged on an 8-Foot Platform



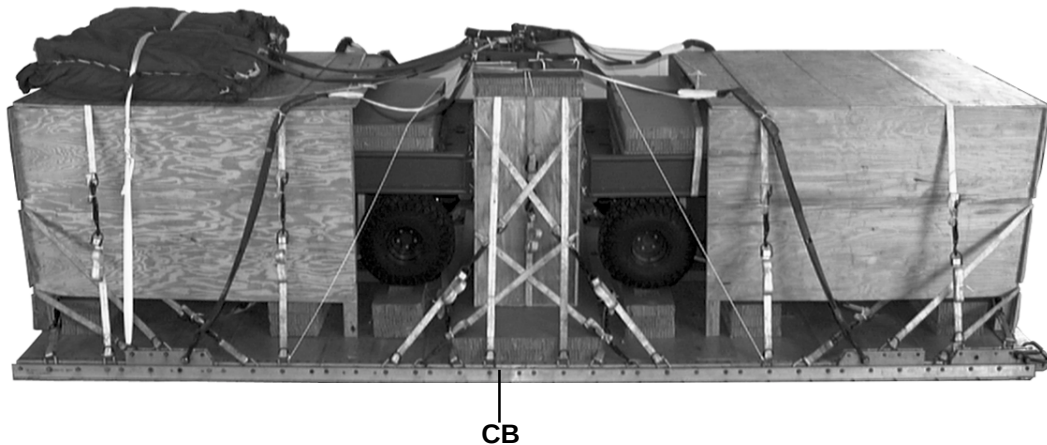
Reference: FM 4-20.108/TO 13C7-2-491

Weight	3,120 pounds
Height	78 inches
Width	108 inches
Overall Length	125 inches
Overhang: Front (Rear of Vehicle)	11 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	49 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 15-Foot
Extraction Parachute C-141: 15-Foot
Extraction Parachute C-5: 15-Foot
Extraction Parachute C-17: 15-Foot
Platform: 8-Foot Type V
Cargo Parachutes: One G-11B

Figure 3-1. One Military Utility Vehicle (M-Gator) Rigged on an 8-Foot Platform

Two Military Utility Vehicles (M-Gator) and Equipment Box Rigged on a 20-Foot Platform



Reference: FM 4-20.108/TO 13C7-2-491

Weight	8,520 pounds
Height	78 inches
Width	108 inches
Overall Length	260 1/2 inches
Overhang: Front	2 1/2 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	124 inches

Accompanying Load: Equipment box weighing 2,000 pounds is rigged on platform.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

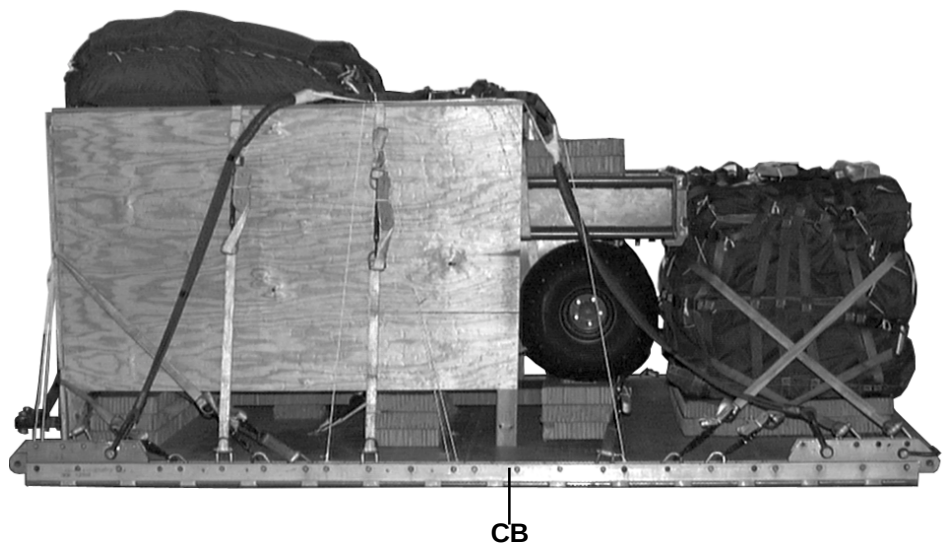
Extraction Parachute C-17: 22-Foot

Platform: 20-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-2. Two Military Utility Vehicles (M-Gator) and Equipment Box Rigged on a 20-Foot Platform

One Military Utility Vehicle (M-Gator) and an A-22 Cargo Bag on a 12-Foot Platform



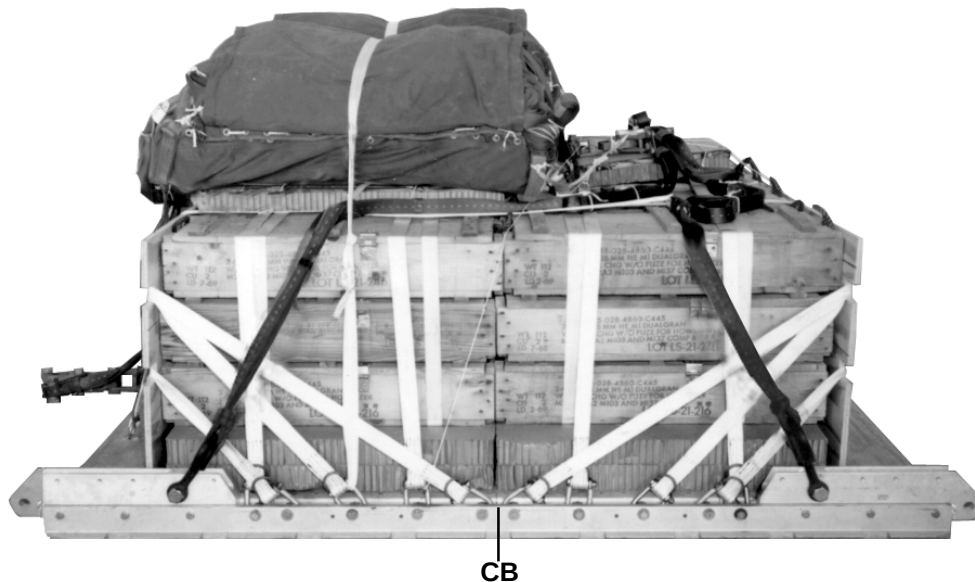
Reference: FM 4-20.108/TO 13C7-2-491

Weight	4,630 pounds
Height	78 inches
Width	108 inches
Overall Length	162 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	68 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 15-Foot
Extraction Parachute C-141: 15-Foot
Extraction Parachute C-5: 15-Foot
Extraction Parachute C-17: 15-Foot
Platform: 12-Foot Type V
Cargo Parachutes: One G-11B

Figure 3-3. One Military Utility Vehicle (M-Gator) and an A-22 Cargo Bag on a 12-Foot Platform

Bulk Supplies on an 8-Foot Platform



Reference: FM 10-512/TO 13C7-1-8

Weight	6,344 pounds
Height	56 inches
Width	108 inches
Overall Length	114 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	50 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 15-Foot
 Extraction Parachute C-141: 15-Foot
 Extraction Parachute C-5: 15-Foot
 Extraction Parachute C-17: 15-Foot
 Platform: 8-Foot Type V
 Cargo Parachutes: Two G-11B

Figure 3-4. Bulk Supplies on an 8-Foot Platform

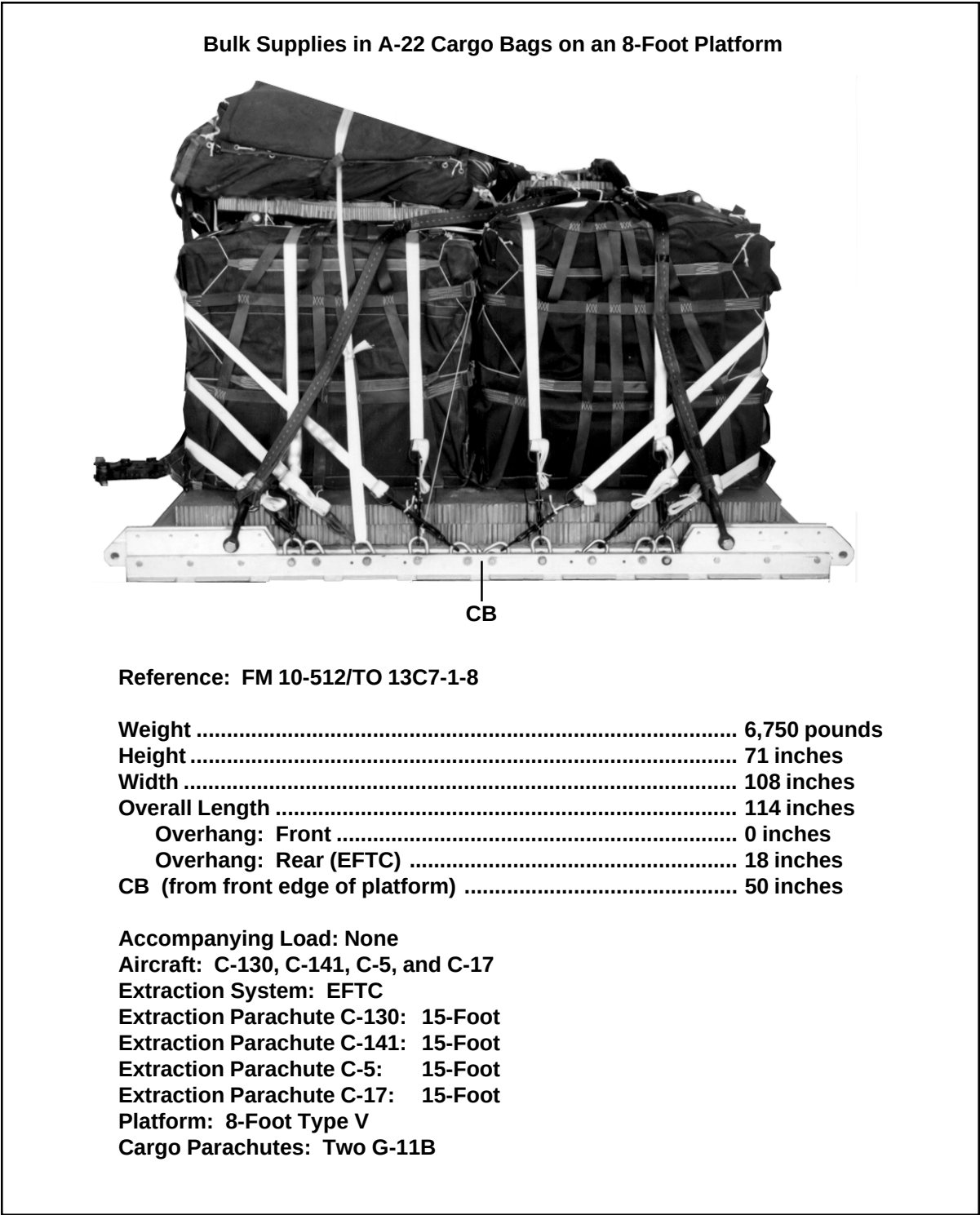
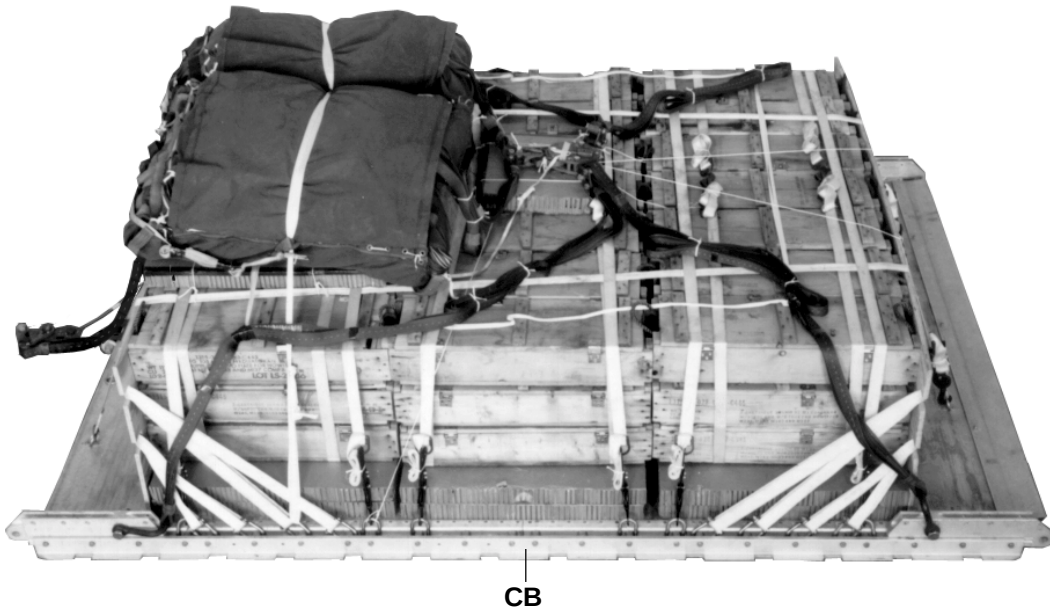


Figure 3-5. Bulk Supplies in A-22 Cargo Bags on an 8-Foot Platform

Bulk Supplies on a 12-Foot Platform



Reference: FM 10-512/TO 13C7-1-8

Weight	8,904 pounds
Height	56 inches
Width	108 inches
Overall Length	114 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	74 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

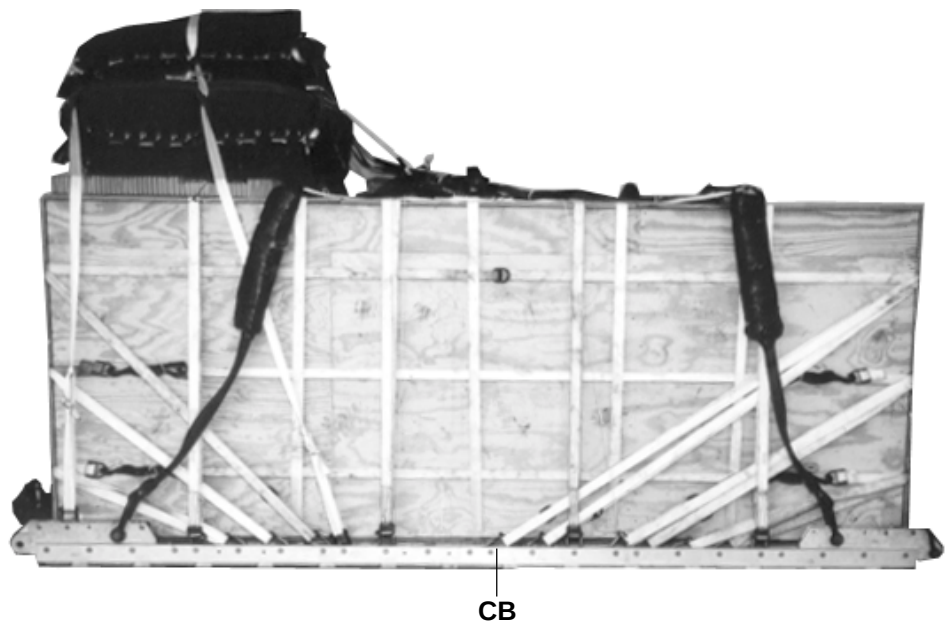
Extraction Parachute C-17: 22-Foot

Platform: 8-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-6. Bulk Supplies on a 12-Foot Platform

Forward Area Surgical Team (FAST) Equipment on a 12-Foot Platform



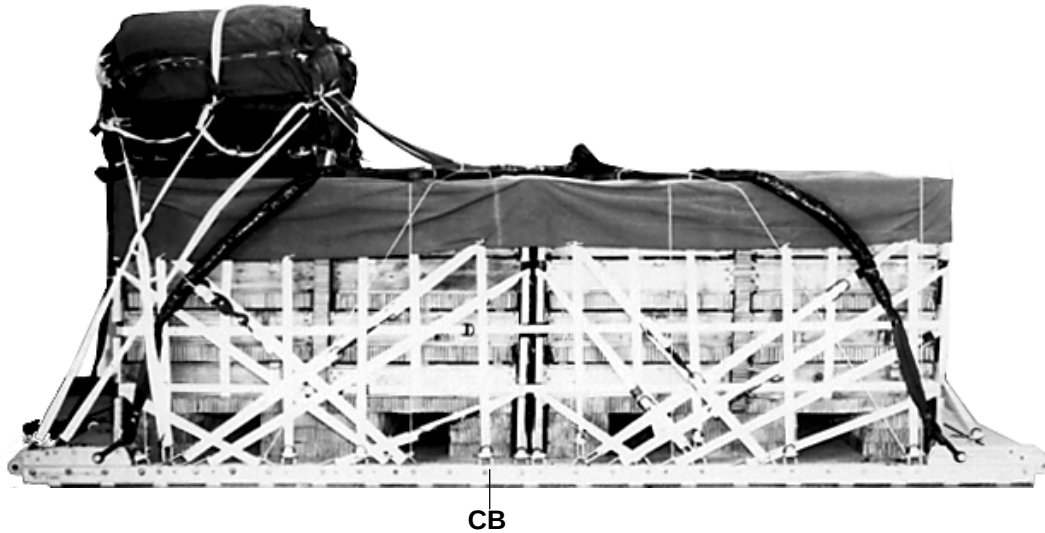
Reference: FM 10-512/TO 13C7-1-8

Weight	12,000 pounds
Height	92 inches
Width	108 inches
Overall Length	162 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	84 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 22-Foot
Extraction Parachute C-141: 22-Foot
Extraction Parachute C-5: 22-Foot
Extraction Parachute C-17: 22-Foot
Platform: 12-Foot Type V
Cargo Parachutes: Three G-11B

Figure 3-7. Forward Area Surgical Team (FAST) Equipment on a 12-Foot Platform

Bulk Supplies on a 16-Foot Platform



Reference: FM 10-512/TO 13C7-1-8

Weight	18,560 pounds
Height	97 1/2 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	106 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 28-Foot

Extraction Parachute C-141: 28-Foot

Extraction Parachute C-5: 28-Foot

Extraction Parachute C-17: 28-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Four G-11B

Figure 3-8. Bulk Supplies on a 16-Foot Platform

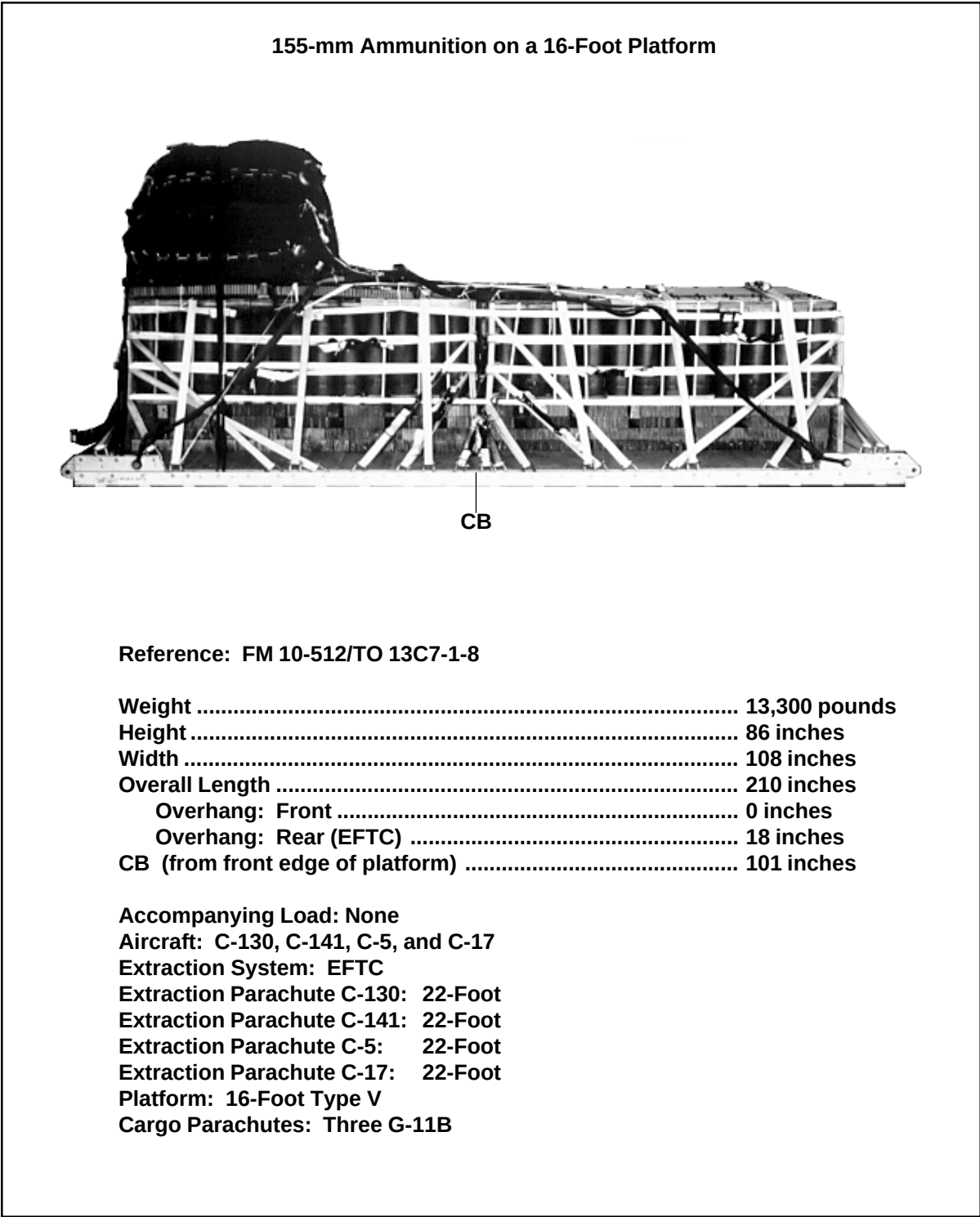
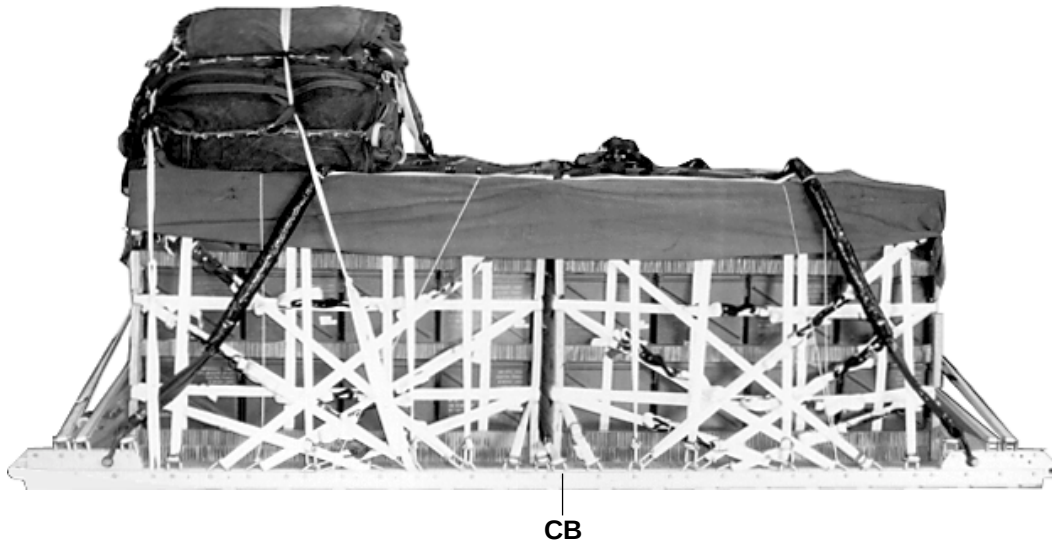


Figure 3-9. 155-mm Ammunition on a 16-Foot Platform

20-mm Ammunition on a 16-Foot Platform



Reference: FM 10-512/TO 13C7-1-8

Weight	26,060 pounds
Height	92 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	91 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Five G-11C

Figure 3-10. 20-mm Ammunition on a 16-Foot Platform

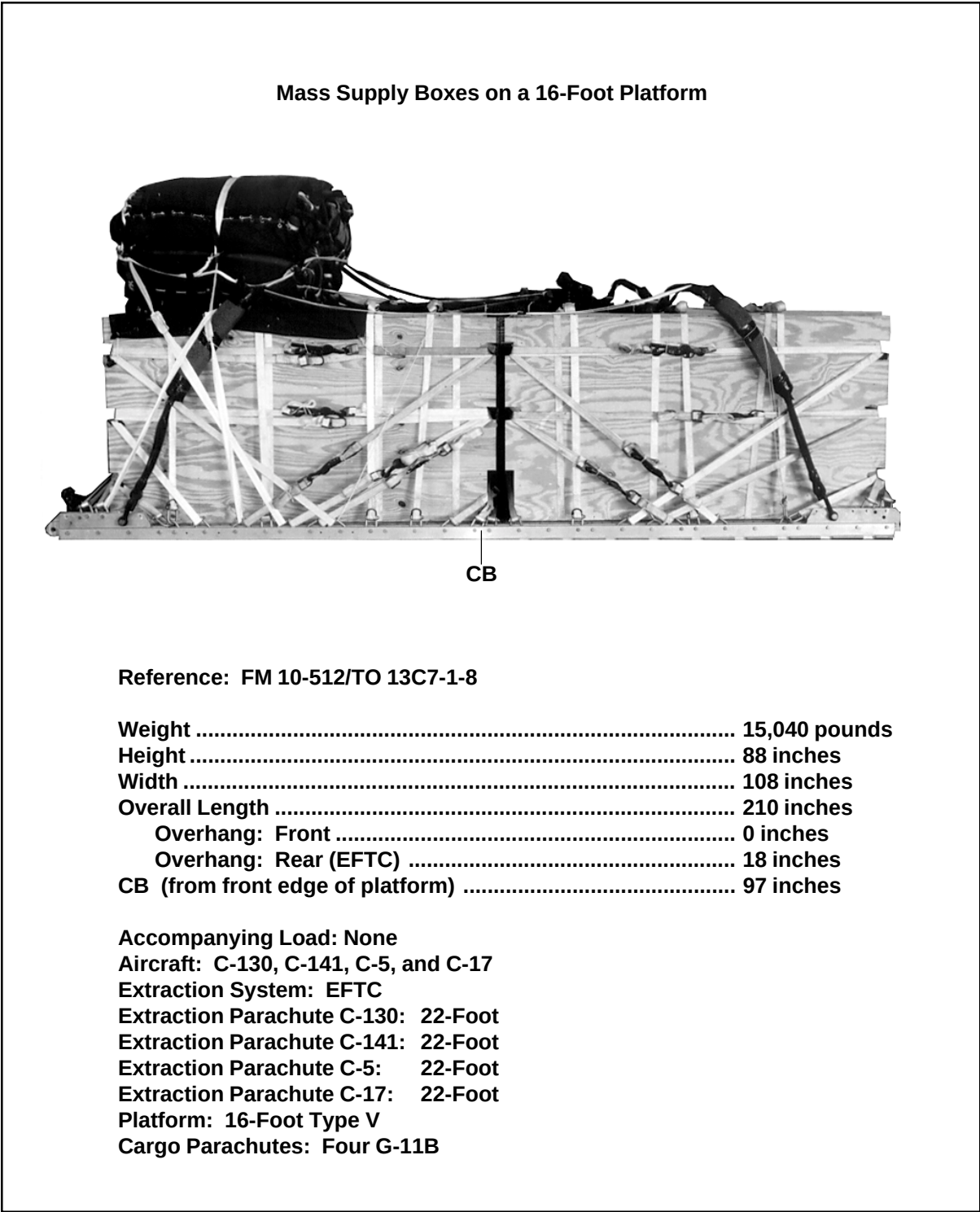
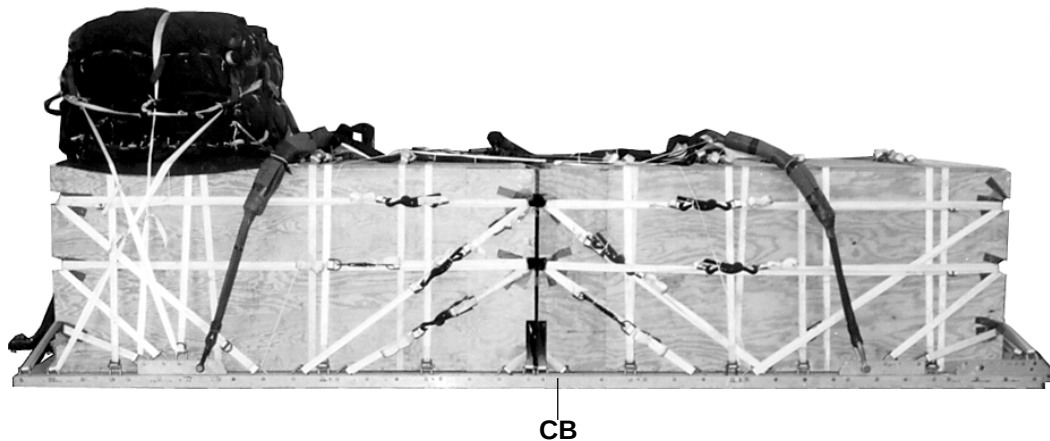


Figure 3-11. Mass Supply Boxes on a 16-Foot Platform

Mass Supply Boxes on a 20-Foot Platform



Reference: FM 10-512/TO 13C7-1-8

Weight	16,300 pounds
Height	88 inches
Width	108 inches
Overall Length	258 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	126 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

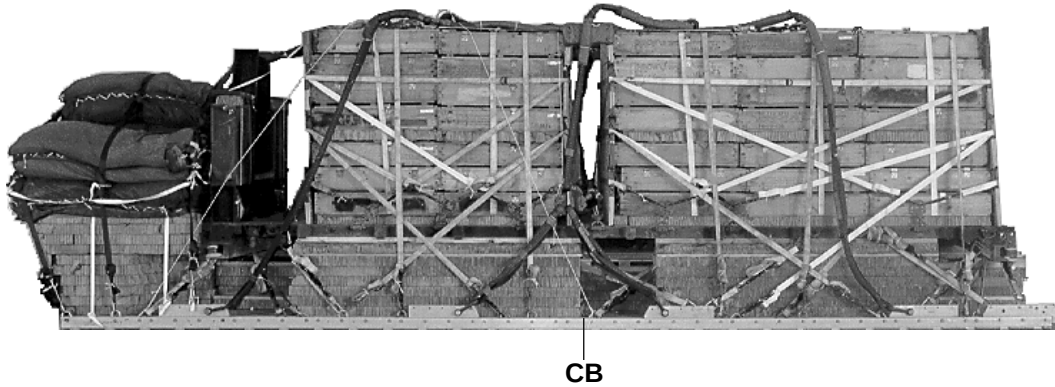
Extraction Parachute C-17: 22-Foot

Platform: 20-Foot Type V

Cargo Parachutes: Four G-11B

Figure 3-12. Mass Supply Boxes on a 20-Foot Platform

Palletized Load System (PLS) Pallet with 105-mm Ammunition on a 24-Foot Platform



Reference: FM 10-512/TO 13C7-1-8

Weight	33,343 pounds
Height	97 inches
Width	108 inches
Overall Length	310 inches
Overhang: Front	0 inches
Overhang: Rear (cargo parachutes)	22 inches
CB (from front edge of platform)	132 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: Two 28-Foot

Extraction Parachute C-141: Two 28-Foot

Extraction Parachute C-5: Two 28-Foot

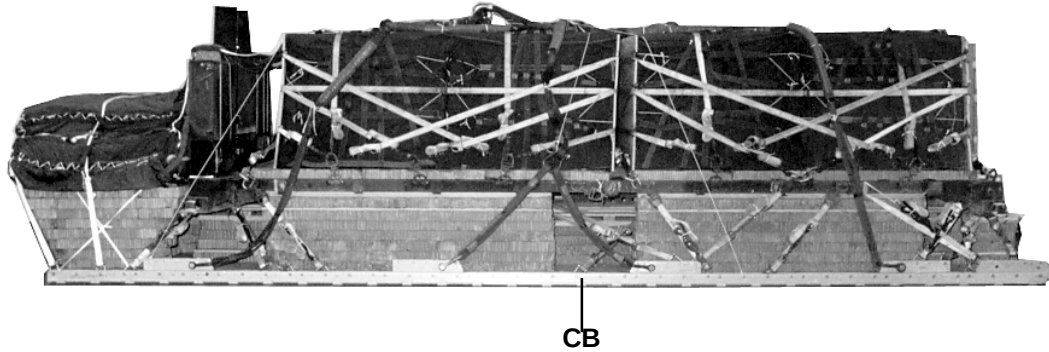
Extraction Parachute C-17: Two 28-Foot

Platform: 24-Foot Type V

Cargo Parachutes: Seven G-11C

Figure 3-13. Palletized Load System (PLS) Pallet with 105-mm Ammunition on a 24-Foot Platform

PLS Pallet with A-22 Containers on a 24-Foot Platform



Reference: FM 10-512/TO 13C7-1-8

Weight	24,278 pounds
Height	84 inches
Width	108 inches
Overall Length	306 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	137 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 28-Foot
 Extraction Parachute C-141: 28-Foot
 Extraction Parachute C-5: 28-Foot
 Extraction Parachute C-17: 28-Foot
 Platform: 24-Foot Type V
 Cargo Parachutes: Five G-11C

Figure 3-14. PLS Pallet with A-22 Containers on a 24-Foot Platform

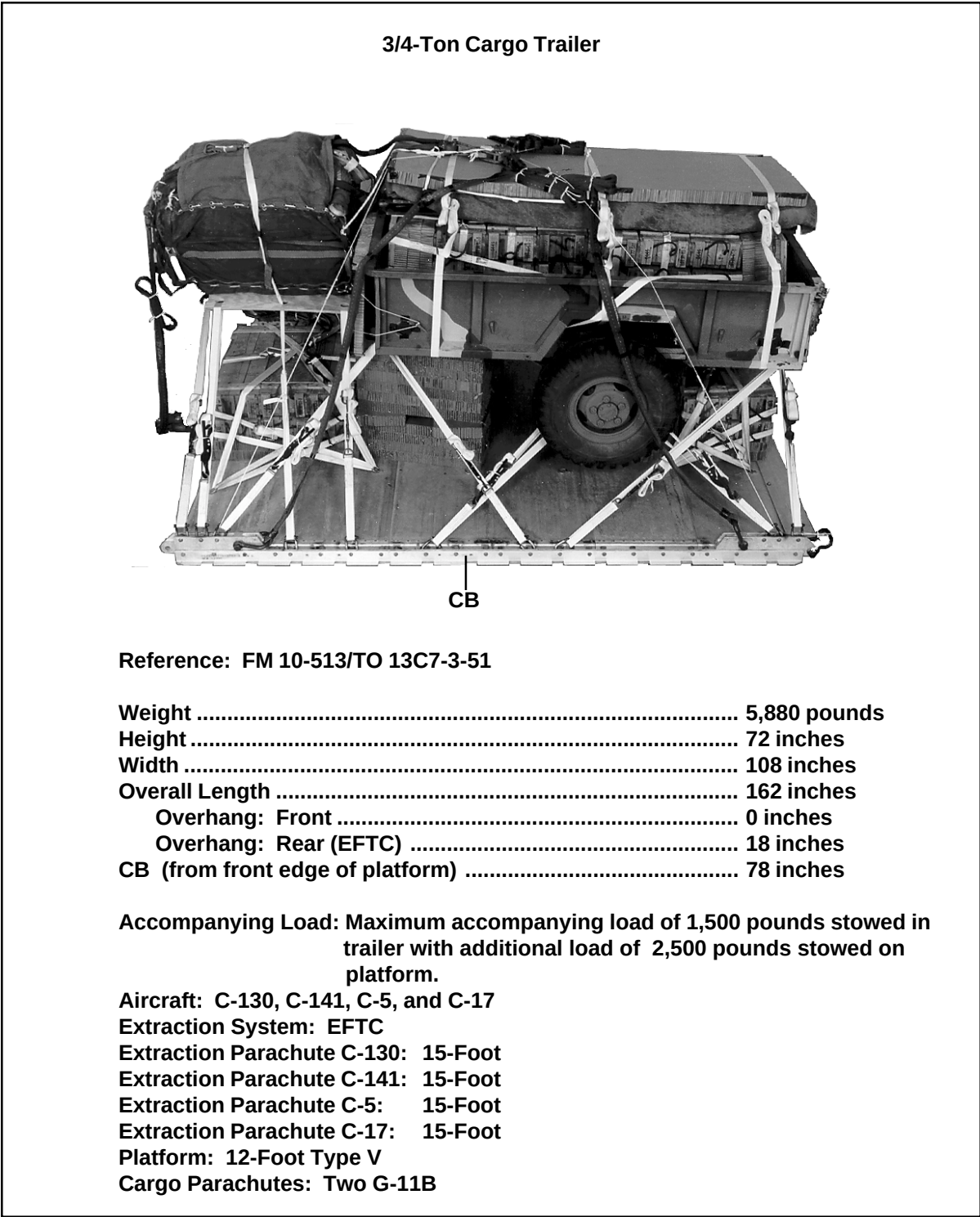
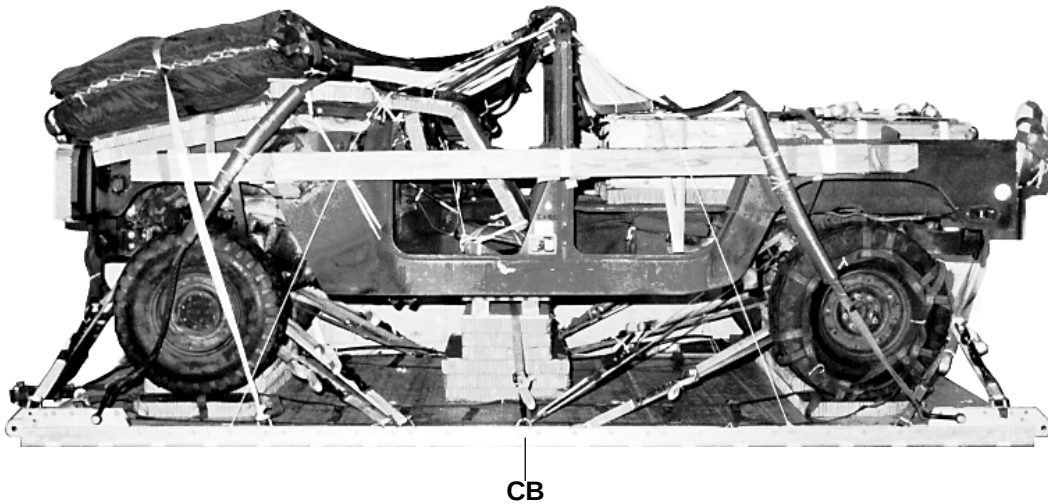


Figure 3-15. 3/4-Ton Cargo Trailer

M998 Cargo/Troop Carrier



Reference: FM 10-517/TO 13C7-1-111

Weight	9,750 pounds
Height	86 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	95 inches

Accompanying Load: Minimum accompanying load of 800 pounds and a maximum load of 2,000 pounds must be rigged in the truck.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-16. M998 Cargo/Troop Carrier

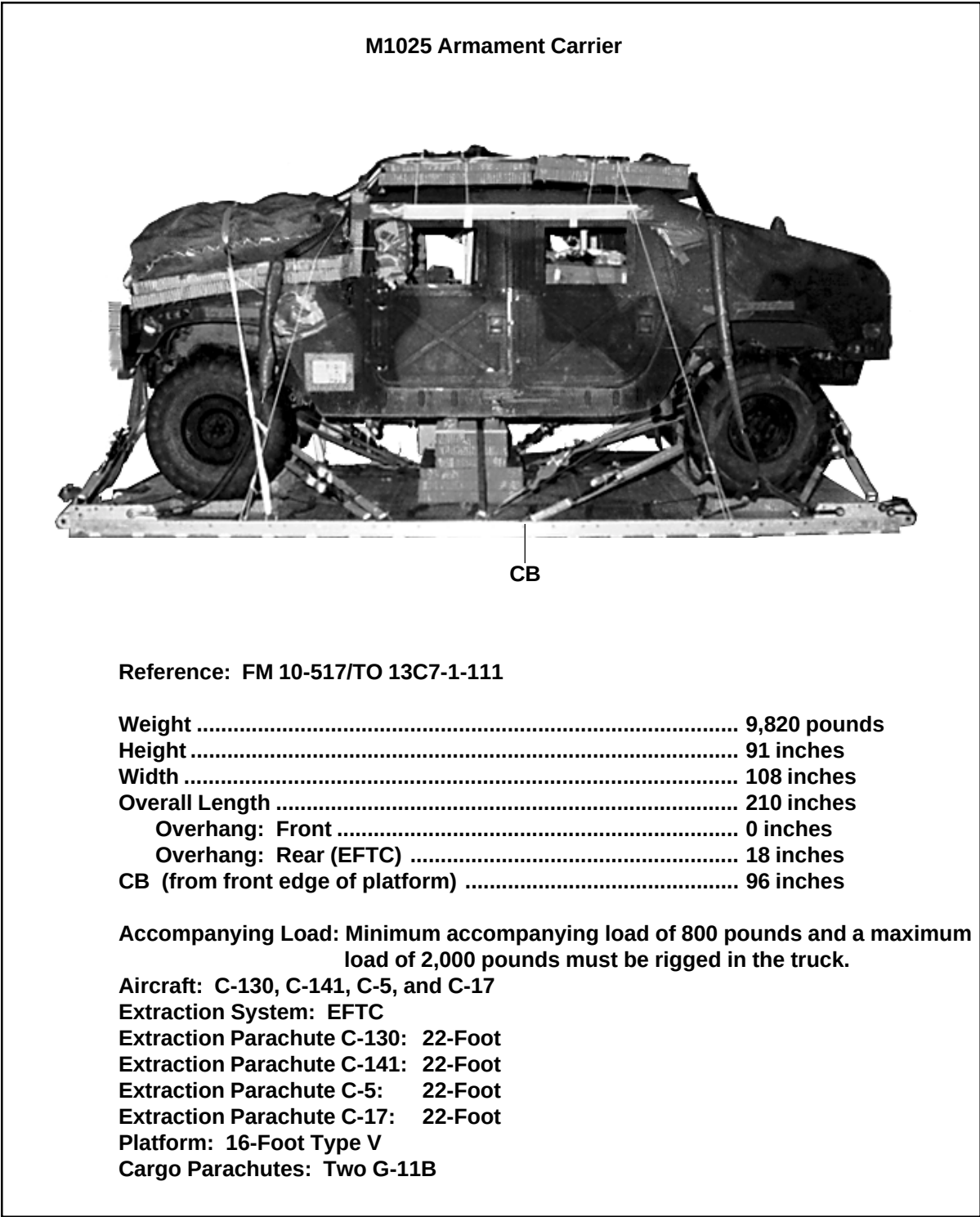
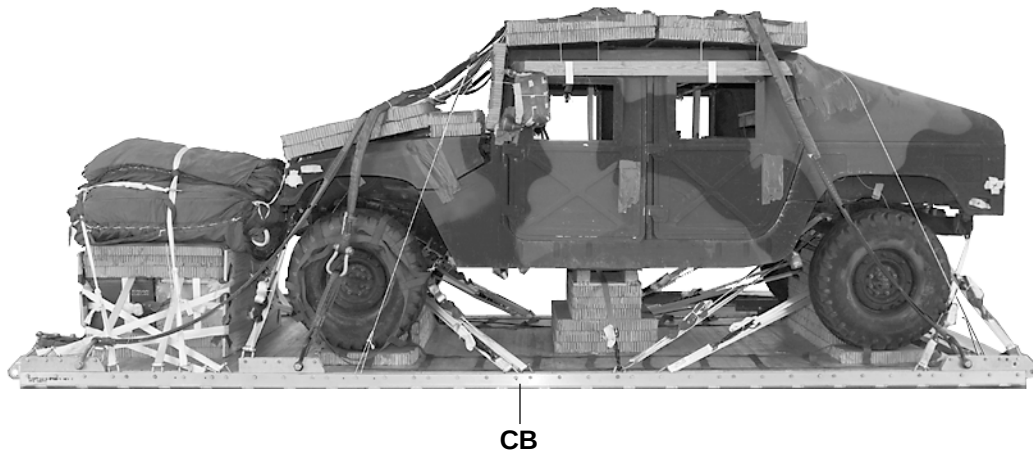


Figure 3-17. M1025 Armament Carrier

M1025 Armament Carrier with Additional Accompanying Ammunition Load on a 20-Foot Platform



Reference: FM 10-517/TO 13C7-1-111

Weight	11,740 pounds
Height	90 1/2 inches
Width	108 inches
Overall Length	258 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	112 inches

Accompanying Load: Ammunition rigged on platform and any accompanying load stowed in truck must weigh no less than 3,300 pounds and no more than 4,300 pounds.

Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 22-Foot
 Extraction Parachute C-141: 22-Foot
 Extraction Parachute C-5: 22-Foot
 Extraction Parachute C-17: 22-Foot
 Platform: 20-Foot Type V
 Cargo Parachutes: Three G-11B

Figure 3-18. M1025 Armament Carrier with Additional Accompanying Ammunition Load on a 20-Foot Platform

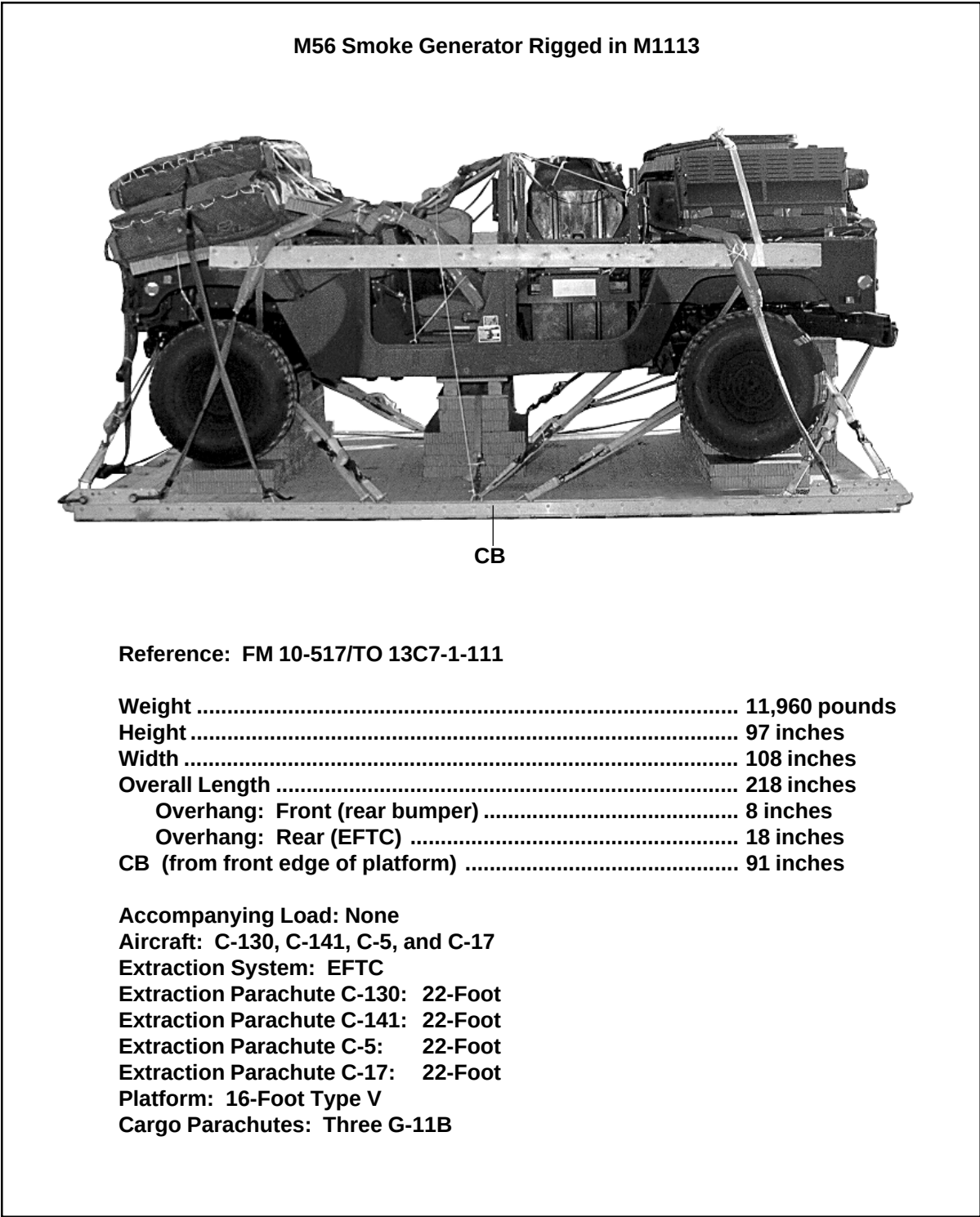
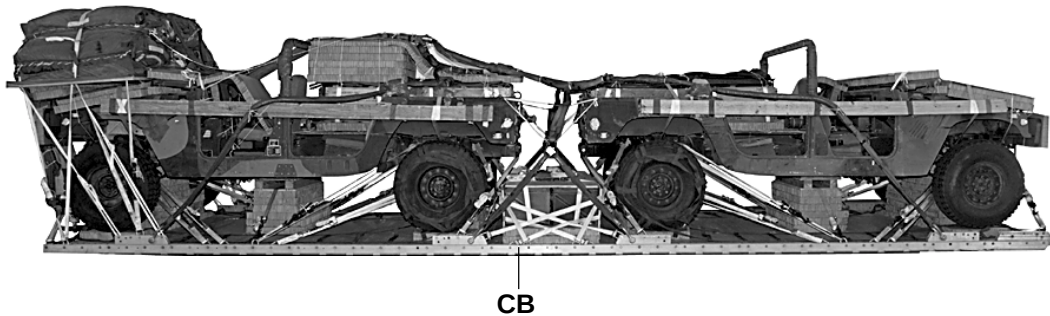


Figure 3-19. M56 Smoke Generator Rigged in M1113

Two M998 Trucks



Reference: FM 10-517/TO 13C7-1-111

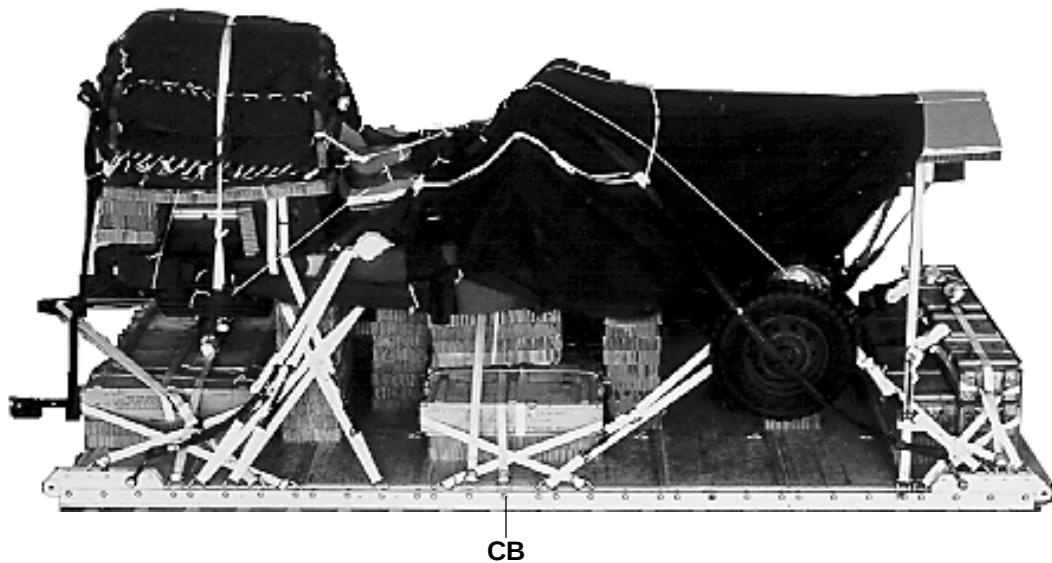
Weight	21,200 pounds
Height	96 inches
Width	108 inches
Overall Length	402 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	207 inches

Accompanying Load: Minimum accompanying load weighing 800 pounds and a maximum load weighing 2,000 pounds must be rigged in the truck and 20 boxes of 20-millimeter ammunition rigged on platform.

Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 28-Foot
 Extraction Parachute C-141: 28-Foot
 Extraction Parachute C-5: 28-Foot
 Extraction Parachute C-17: 28-Foot
 Platform: 32-Foot Type V
 Cargo Parachutes: Five G-11C

Figure 3-20. Two M998 Trucks

M102 Howitzer Rigged with 17 Boxes of Ammunition



Reference: FM 10-519/TO 13C7-10-31/FMFM 7-55

Weight	8,060 pounds
Height	88 inches
Width	90 1/2 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	98 inches

Accompanying Load: Accompanying load weighing 2,040 pounds rigged on platform.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-21. M102 Howitzer Rigged with 17 Boxes of Ammunition

M102 Howitzer Rigged with 23 Boxes of Ammunition



Reference: FM 10-519/TO 13C7-10-31/FMFM 7-55

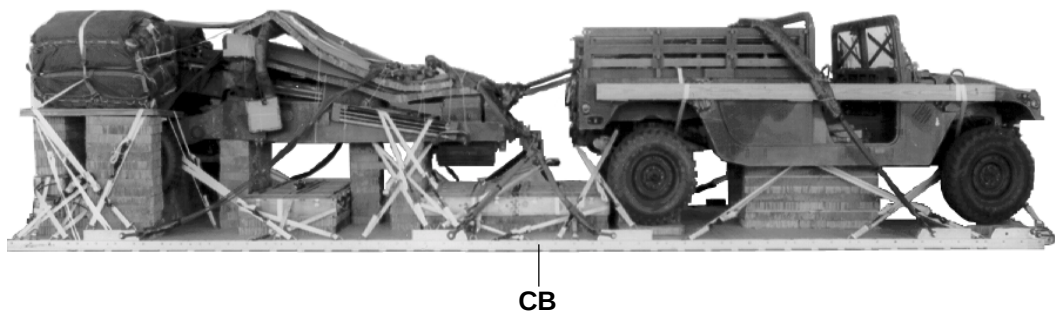
Weight	8,800 pounds
Height	90 1/2 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	98 inches

Accompanying Load: Accompanying load weighing 2,760 pounds rigged on platform.

Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 22-Foot
 Extraction Parachute C-141: 22-Foot
 Extraction Parachute C-5: 22-Foot
 Extraction Parachute C-17: 22-Foot
 Platform: 16-Foot Type V
 Cargo Parachutes: Two G-11B

Figure 3-22. M102 Howitzer Rigged with 23 Boxes of Ammunition

M102 Howitzer with 1 1/2-ton Truck



Reference: FM 10-519/TO 13C7-10-31/FMFM 7-55

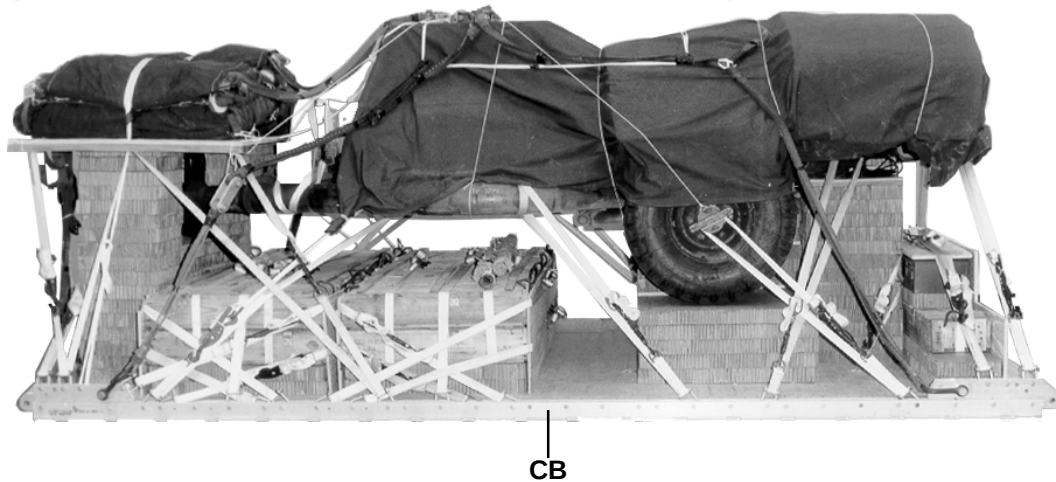
Weight	17,770 pounds
Height	83 inches
Width	108 inches
Overall Length	402 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	196 inches

Accompanying Load: Accompanying load weighing 800 to 2,000 pounds must be rigged in truck and 22 boxes of 105mm ammunition on platform.

- Aircraft: C-130, C-141, C-5, and C-17
- Extraction System: EFTC
- Extraction Parachute C-130: 28-Foot
- Extraction Parachute C-141: 28-Foot
- Extraction Parachute C-5: 28-Foot
- Extraction Parachute C-17: 28-Foot
- Platform: 32-Foot Type V
- Cargo Parachutes: Four G-11B

Figure 3-23. M102 Howitzer with 1 1/4-ton Truck

M119 Howitzer Rigged with 30 Boxes of Ammunition



Reference: FM 10-519/TO 13C7-10-31/FMFM 7-55

Weight	10,000 pounds
Height	75 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	100 inches

Accompanying Load: Accompanying load weighing 3,713 pounds rigged on platform.

Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 22-Foot
Extraction Parachute C-141: 22-Foot
Extraction Parachute C-5: 22-Foot
Extraction Parachute C-17: 22-Foot
Platform: 16-Foot Type V
Cargo Parachutes: Two G-11B

Figure 3-24. M119 Howitzer Rigged with 30 Boxes of Ammunition

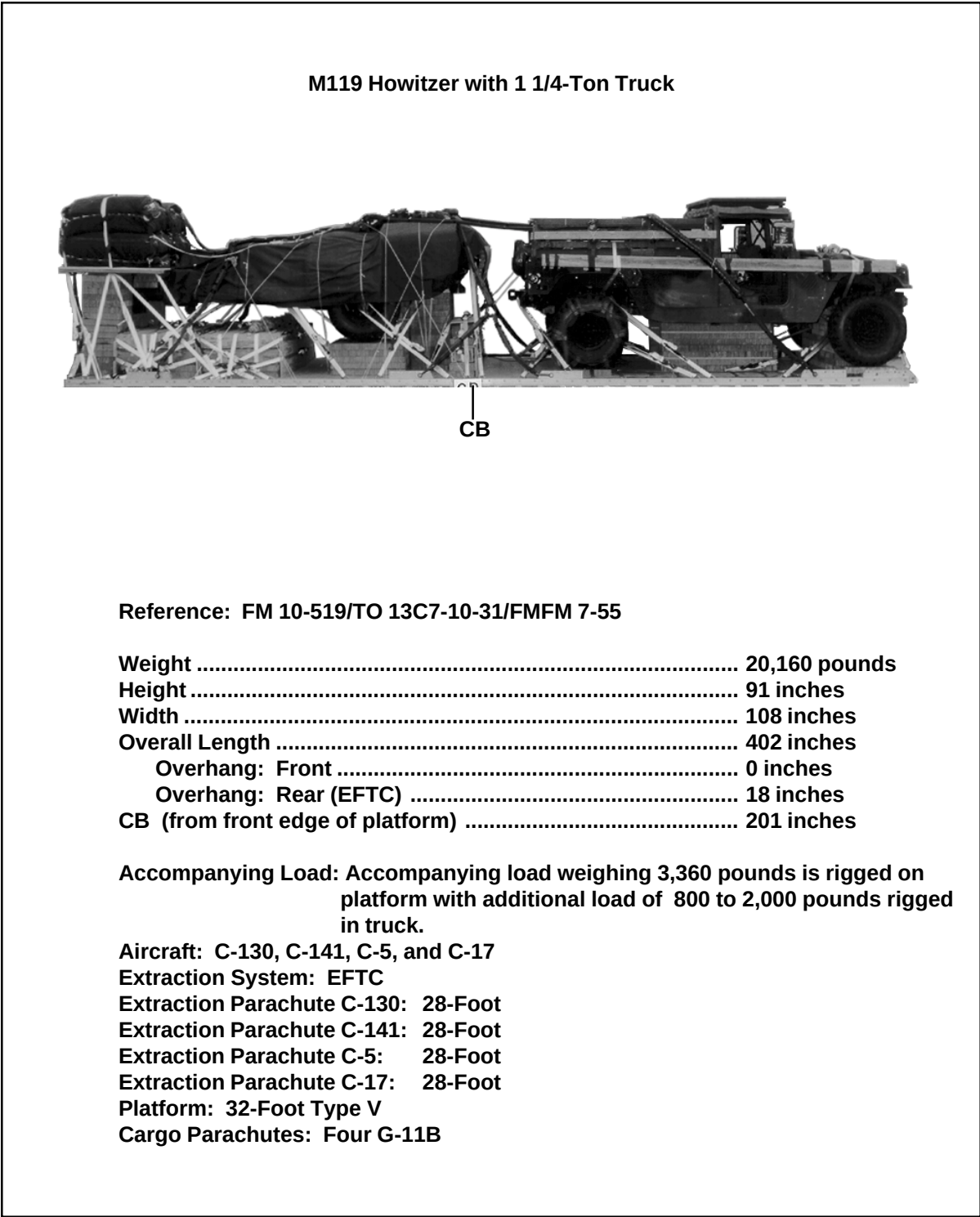
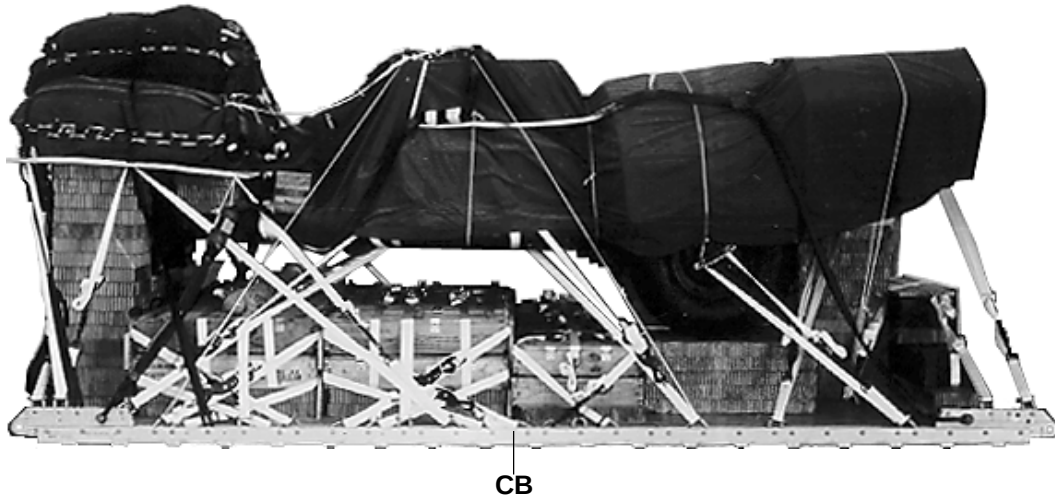


Figure 3-25. M119 Howitzer with 1 1/4-Ton Truck

M119 Howitzer Rigged with 81-Millimeter Mortar



Reference: FM 10-519/TO 13C7-10-31/FMFM 7-55

Weight	11,200 pounds
Height	86 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	105 inches

Accompanying Load: Accompanying load weighing 3,713 pounds rigged on platform.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Three G-11B

Figure 3-26. M119 Howitzer Rigged with 81-Millimeter Mortar

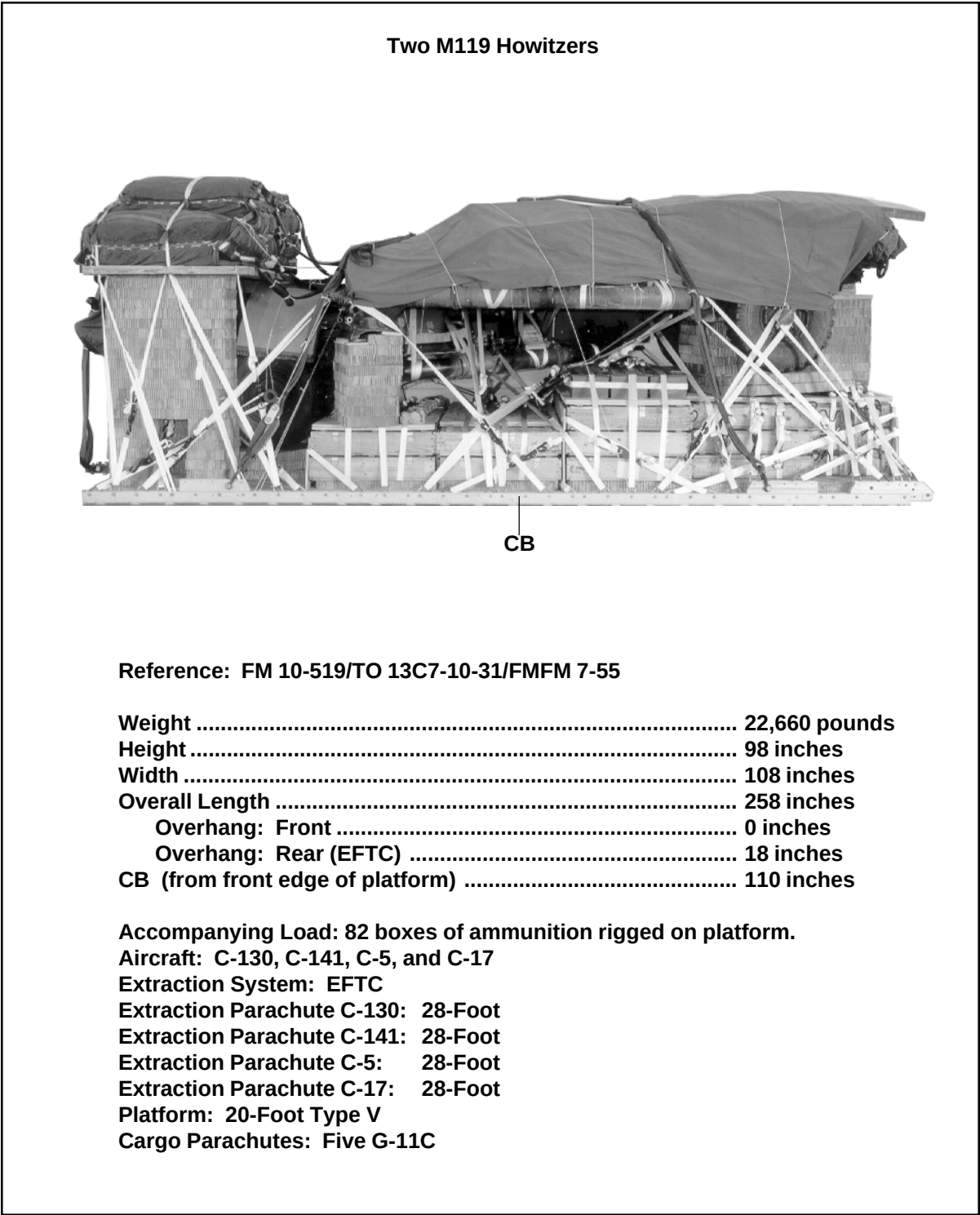


Figure 3-27. Two M119 Howitzers

Two M119 Howitzers with Light Ammunition



CB

Reference: FM 10-519/TO 13C7-10-31/FMFM 7-55

Weight	19,320 pounds
Height	99 1/2 inches
Width	108 inches
Overall Length	258 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	112 inches

Accompanying Load: 63 boxes of ammunition rigged on platform.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 28-Foot

Extraction Parachute C-141: 28-Foot

Extraction Parachute C-5: 28-Foot

Extraction Parachute C-17: 28-Foot

Platform: 20-Foot Type V

Cargo Parachutes: Four G-11B

Figure 3-28. Two M119 Howitzers with Light Ammunition

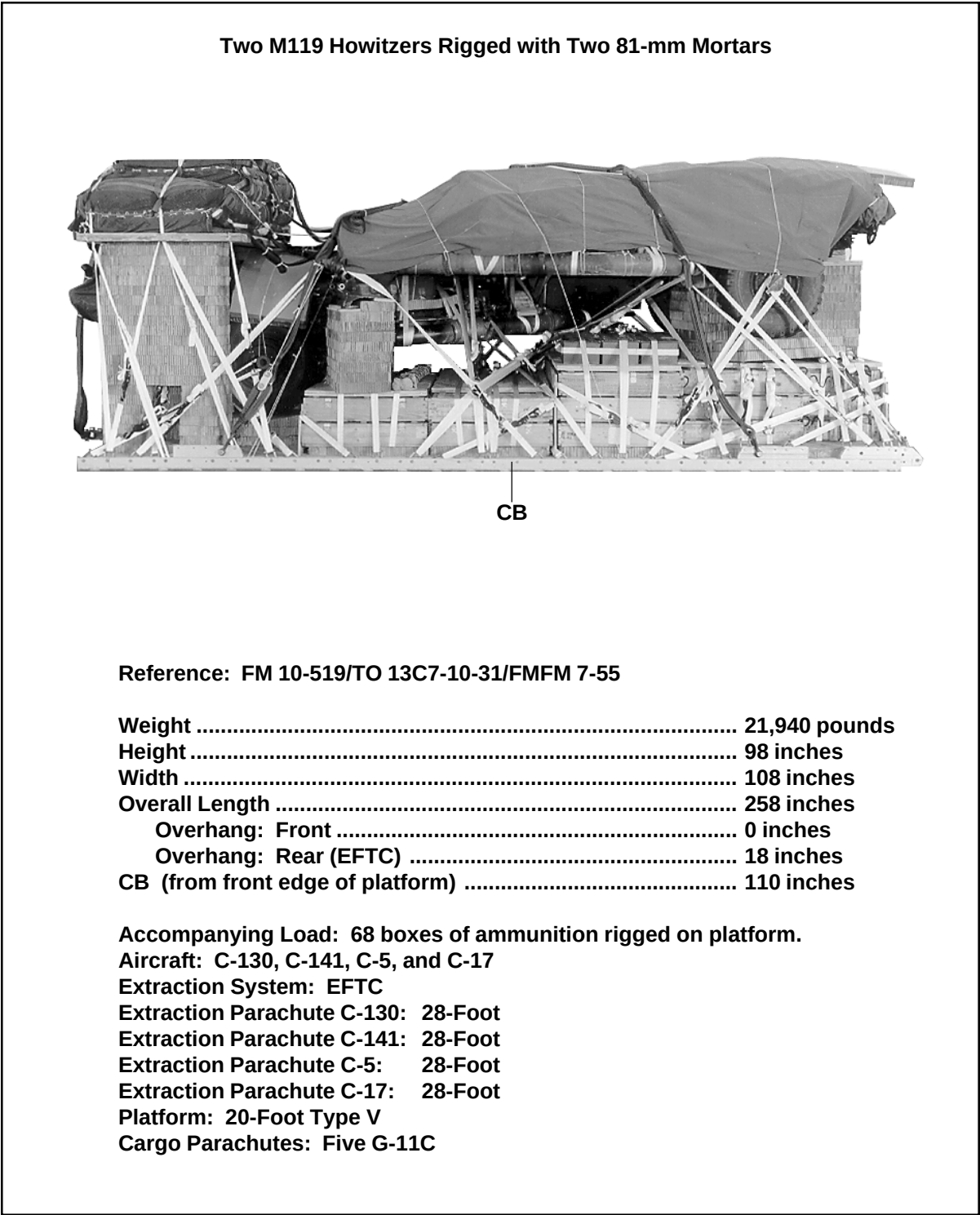
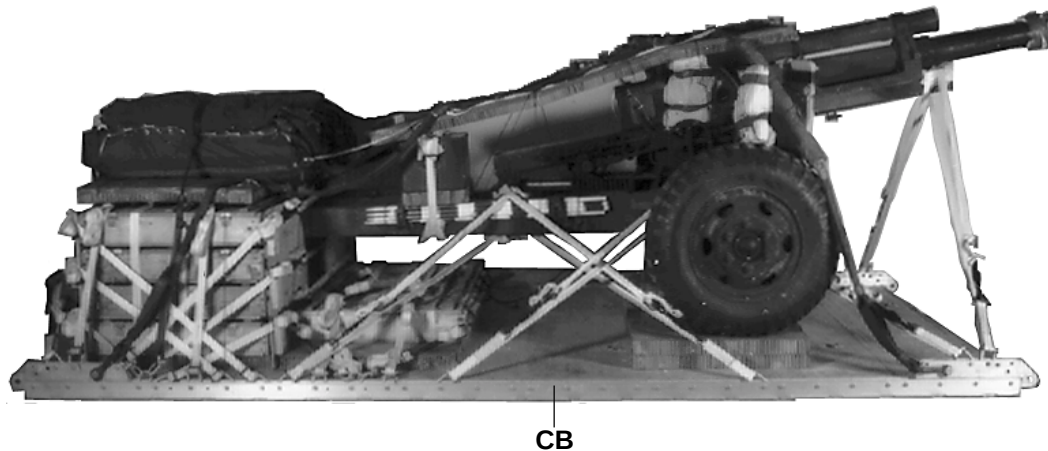


Figure 3-29. Two M119 Howitzers Rigged with Two 81-mm Mortars

M101A1 Howitzer

Reference: FM 10-519/TO 13C7-10-31/FMFM 7-55

Weight	9,500 pounds
Height	79 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	96 inches

Accompanying Load: Accompanying load rigged on platform must weigh at least 2,000 pounds but no more than 2,400 pounds.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-30. M101A1 Howitzer

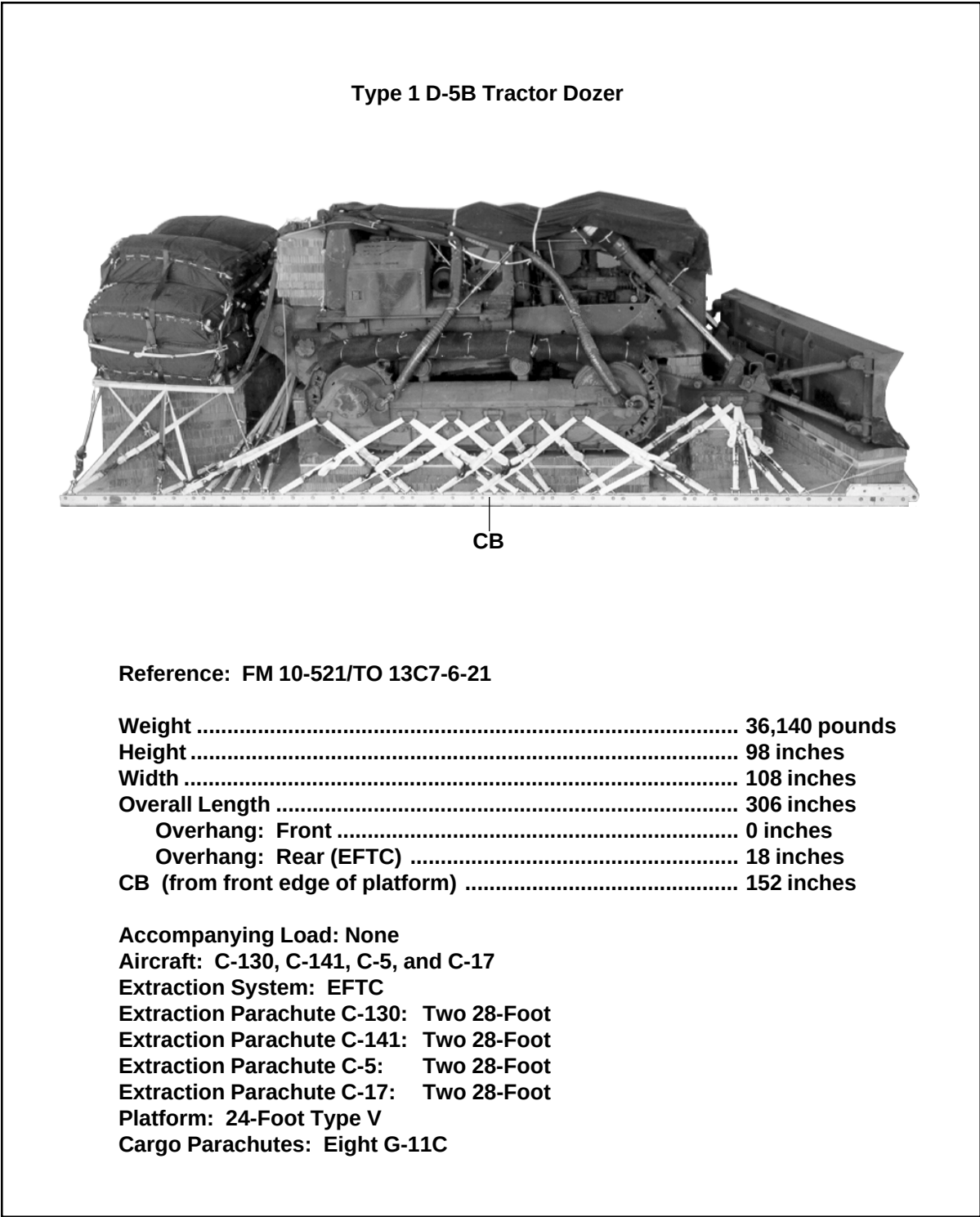
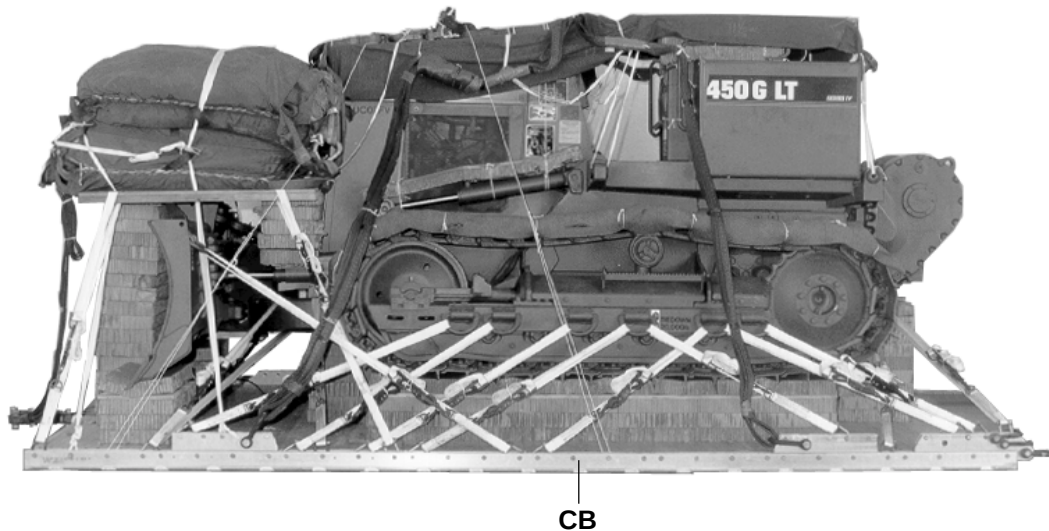


Figure 3-31. Type 1 D-5B Tractor Dozer

John Deere 450G Lt Full- Tracked Bulldozer



Reference: FM 10-521/TO 13C7-6-21

Weight	20,960 pounds
Height	94 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	84 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 28-Foot
 Extraction Parachute C-141: 28-Foot
 Extraction Parachute C-5: 28-Foot
 Extraction Parachute C-17: 28-Foot
 Platform: 16-Foot Type V
 Cargo Parachutes: Four G-11B

Figure 3-32. John Deere 450G Lt Full- Tracked Bulldozer

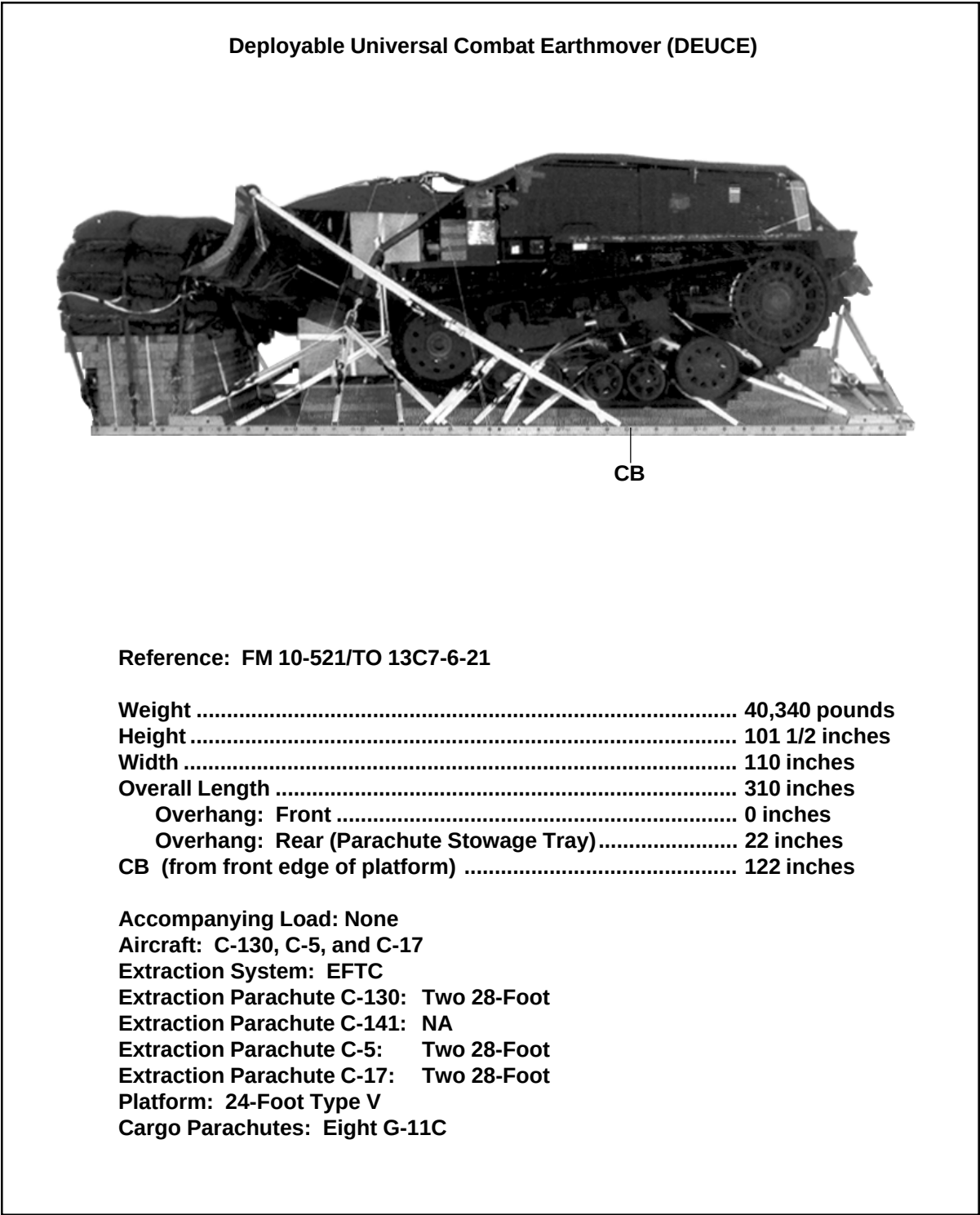
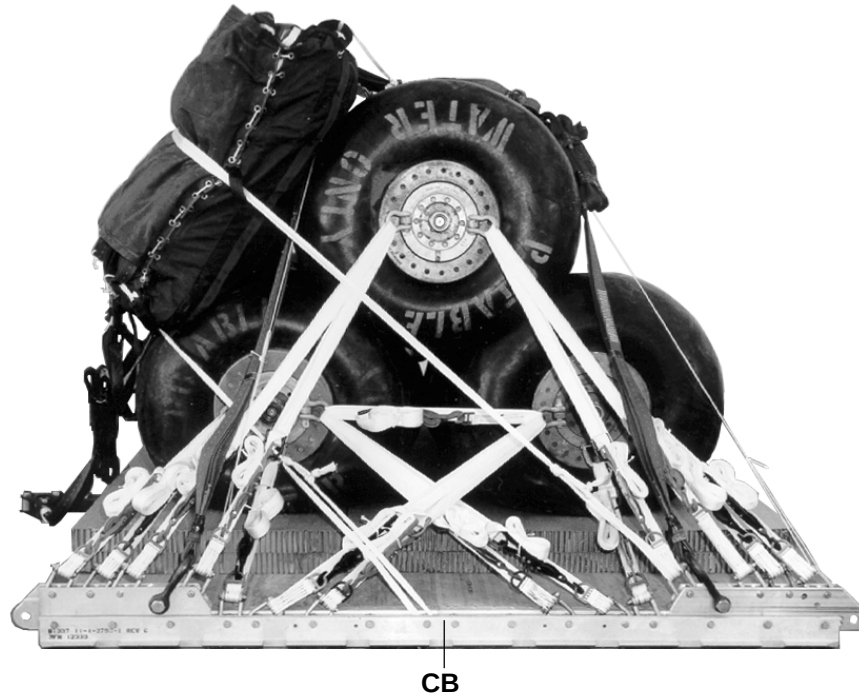


Figure 3-33. Deployable Universal Combat Earthmover (DEUCE)

Three 250-gallon Water Drums



Reference: FM 10-522/TO 13C7-2-1001

Weight	8,300 pounds
Height	77 inches
Width	108 inches
Overall Length	114 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	50 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 8-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-34. Three 250-gallon Water Drums

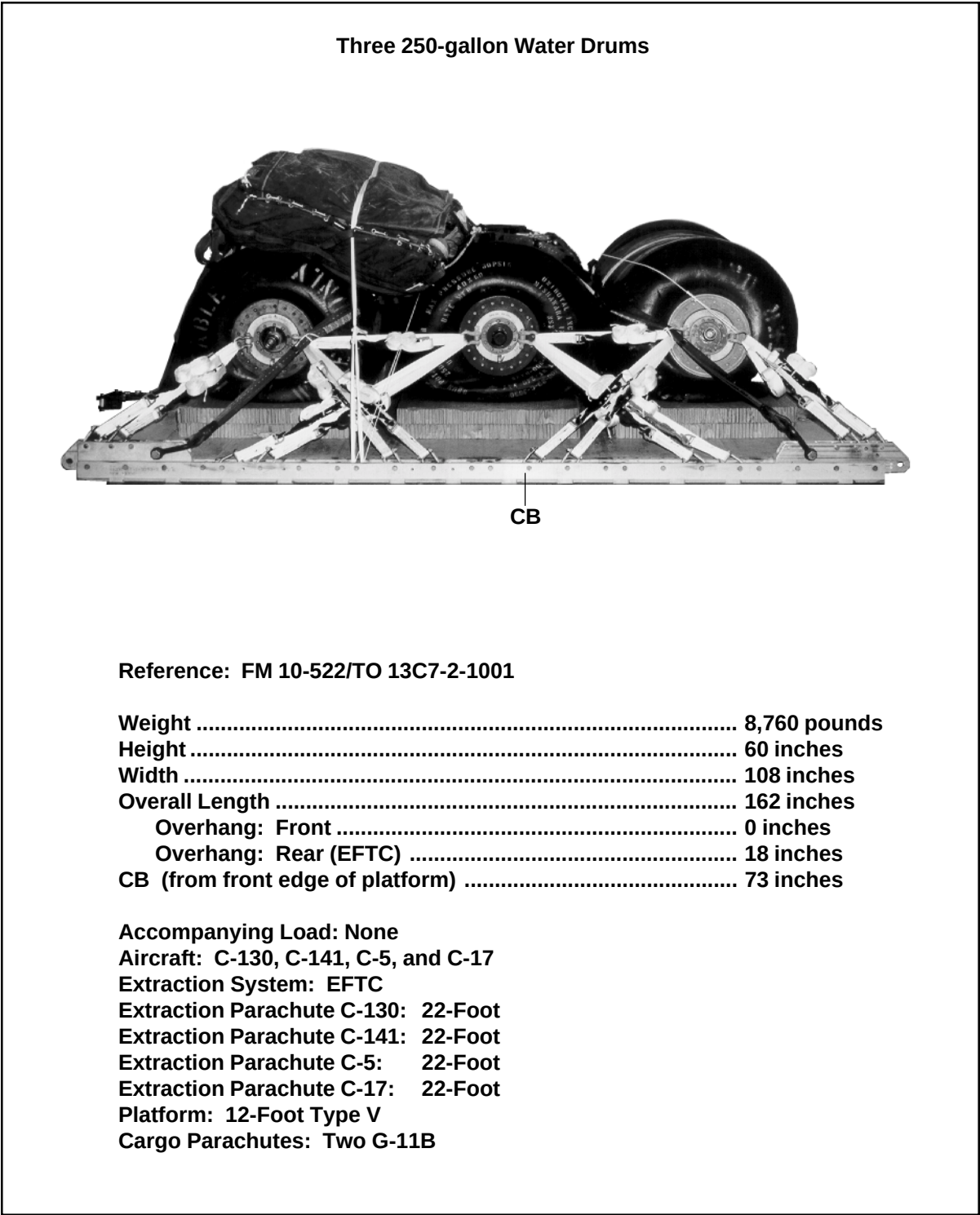
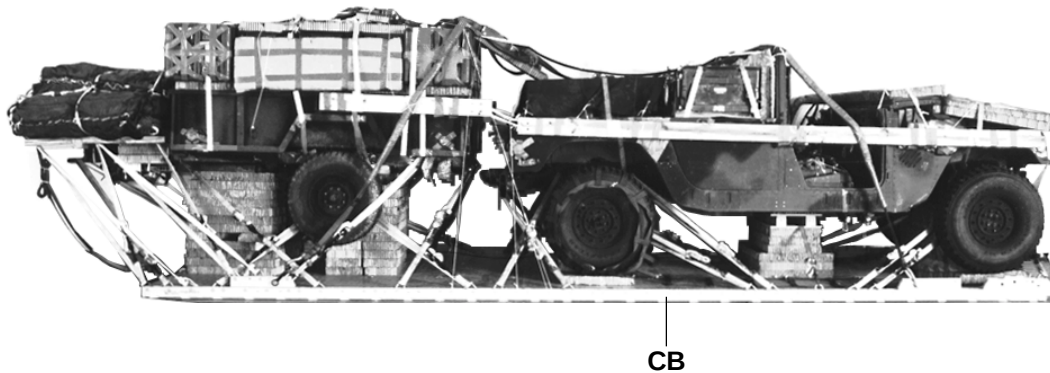


Figure 3-35. Three 250-gallon Water Drums

Mobile Microwave Landing System (MMLS) in an M998 and a 3/4-Ton Trailer



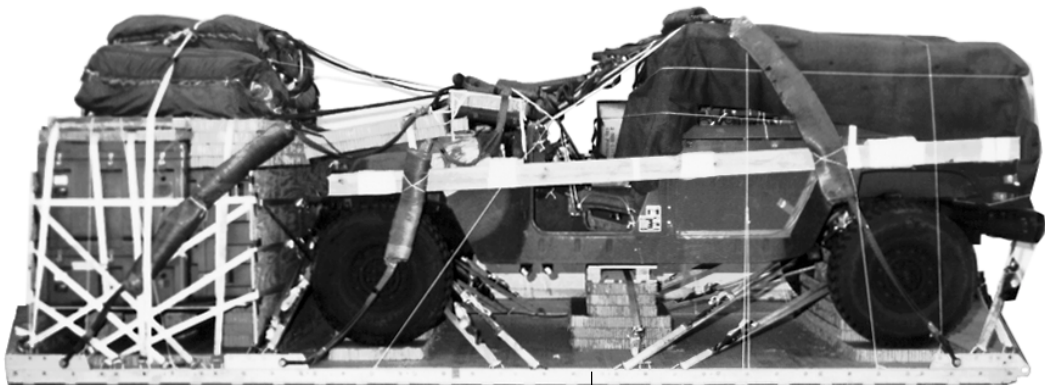
Reference: FM 10-500-23/TO 13C7-14-461

Weight	13,289 pounds
Height	99 inches
Width	108 inches
Overall Length	333 inches
Overhang: Front	0 inches
Overhang: Rear (Cargo Parachutes)	45 inches
CB (from front edge of platform)	140 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 22-Foot
Extraction Parachute C-141: 22-Foot
Extraction Parachute C-5: 22-Foot
Extraction Parachute C-17: 22-Foot
Platform: 24-Foot Type V
Cargo Parachutes: Three G-11B

Figure 3-36. Mobile Microwave Landing System (MMLS) in an M998 and a 3/4-Ton Trailer

Standard Intergrated Command Post System (SICPS) with the CHS-2



CB

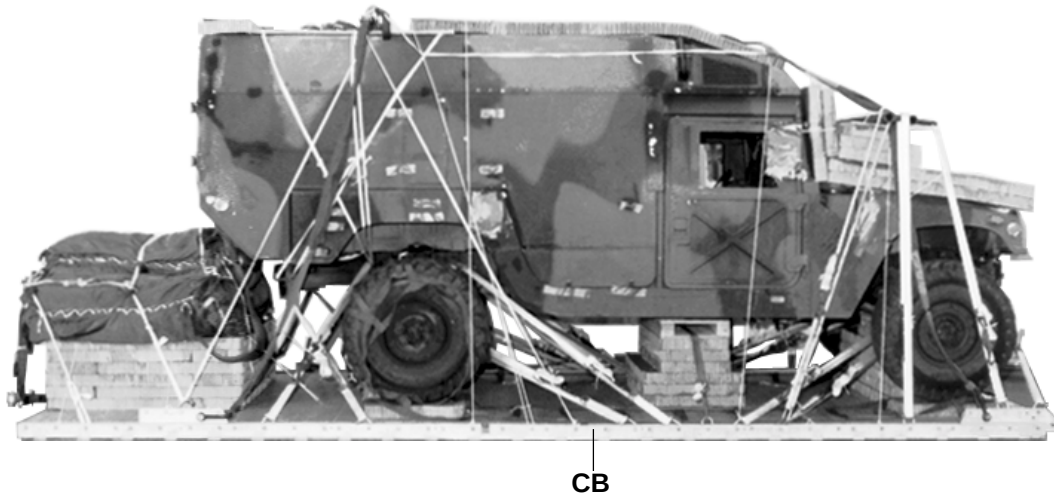
Reference: FM 10-500-23/TO 13C7-14-461

Weight	12,100 pounds
Height	94 inches
Width	108 inches
Overall Length	258 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	110 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 22-Foot
Extraction Parachute C-141: 22-Foot
Extraction Parachute C-5: 22-Foot
Extraction Parachute C-17: 22-Foot
Platform: 20-Foot Type V
Cargo Parachutes: Three G-11B

Figure 3-37. Standard Intergrated Command Post System (SICPS) with the CHS-2

Command Assault Vehicle (CAV)



Reference: FM 10-500-23/TO 13C7-14-461

Weight	11,680 pounds
Height	100 inches
Width	108 inches
Overall Length	258 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	110 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 22-Foot
 Extraction Parachute C-141: 22-Foot
 Extraction Parachute C-5: 22-Foot
 Extraction Parachute C-17: 22-Foot
 Platform: 20-Foot Type V
 Cargo Parachutes: Three G-11B

Figure 3-38. Command Assault Vehicle (CAV)

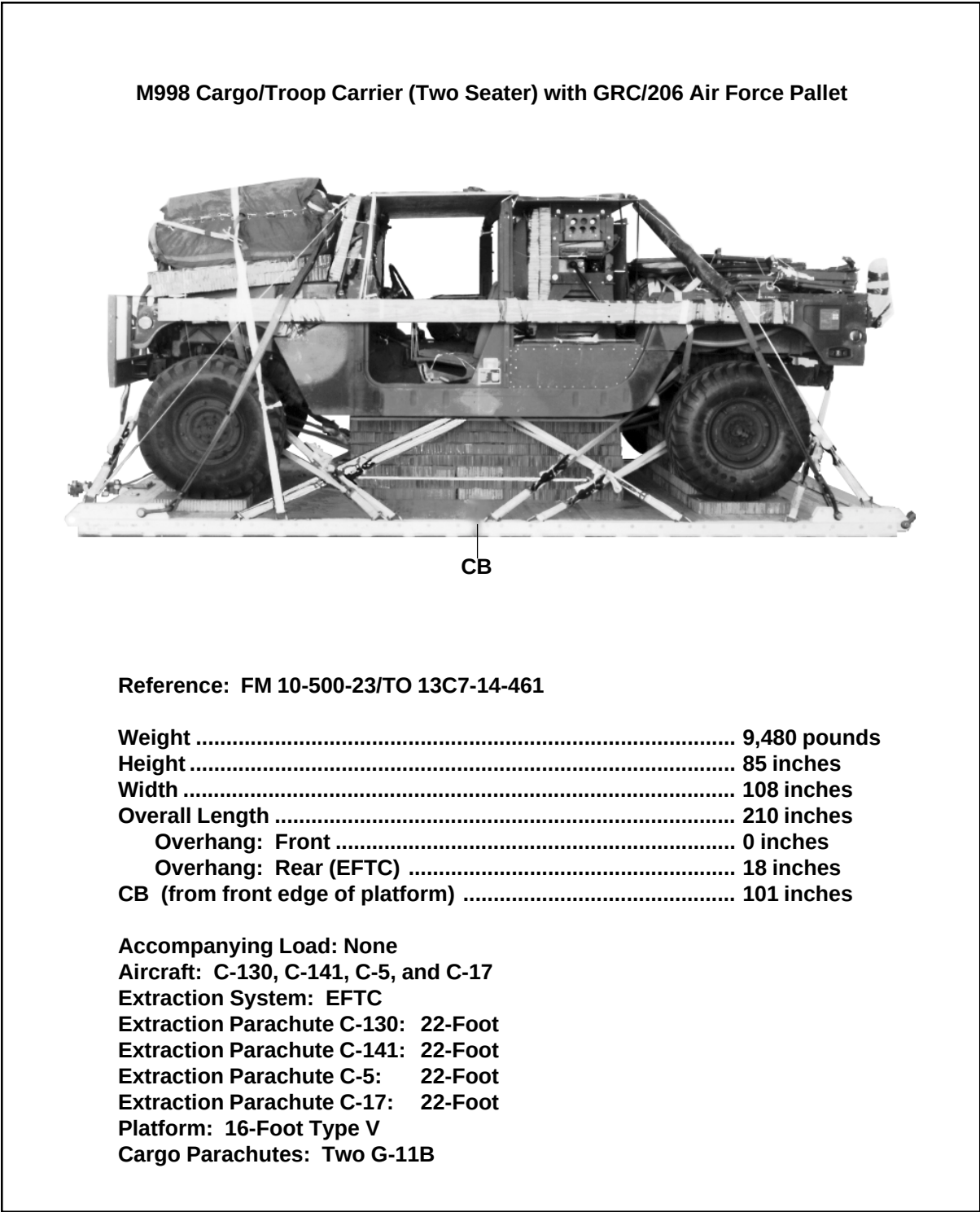
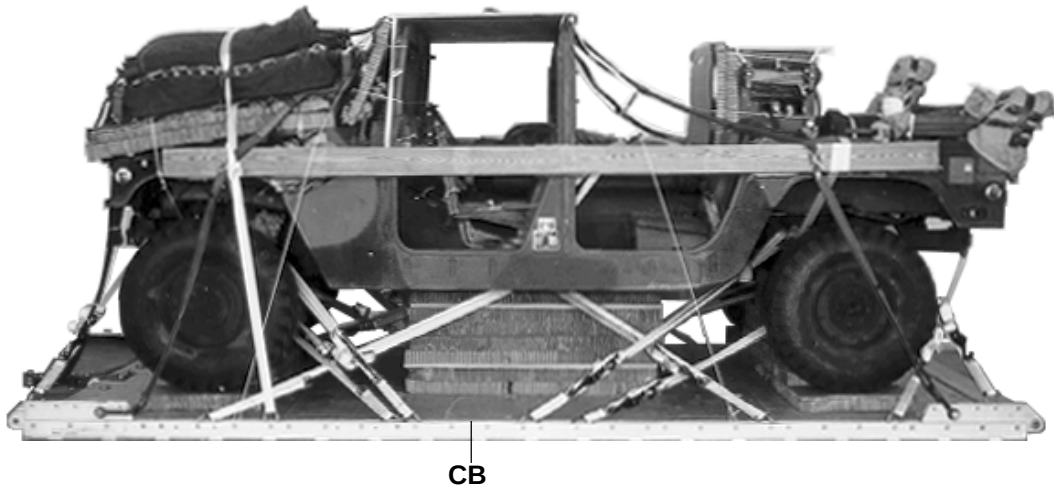


Figure 3-39. M998 Cargo/Troop Carrier (Two Seater) with GRC/206 Air Force Pallet

M998 Cargo/Troop Carrier (Four Seater) with GRC/206 Air Force Pallet



Reference: FM 10-500-23/TO 13C7-14-461

Weight	8,810 pounds
Height	86 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	98 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

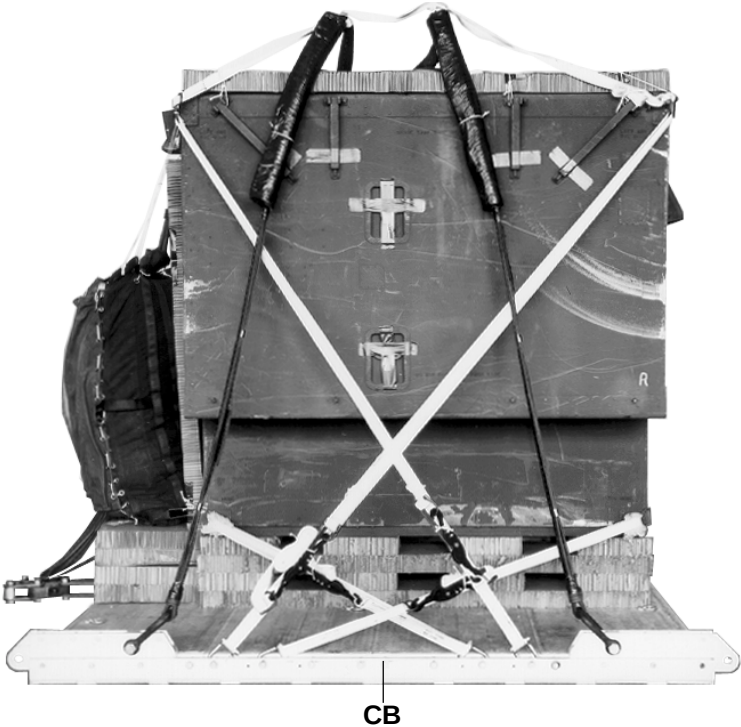
Extraction Parachute C-17: 22-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-40. M998 Cargo/Troop Carrier (Four Seater) with GRC/206 Air Force Pallet

S-318/G Shelter with AN/GRC-122 Communications Equipment



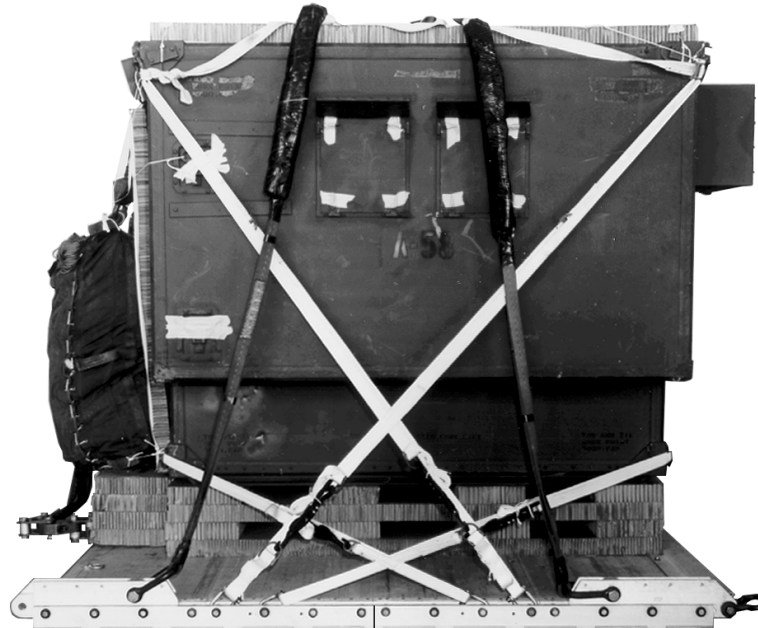
Reference: FM 10-524/TO 13C7-14-471

Weight	3,630 pounds
Height	95 1/2 inches
Width	108 inches
Overall Length	114 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	49 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 15-Foot
Extraction Parachute C-141: 15-Foot
Extraction Parachute C-5: 15-Foot
Extraction Parachute C-17: 15-Foot
Platform: 8-Foot Type V
Cargo Parachutes: One G-11B

Figure 3-41. S-318/G Shelter with AN/GRC-122 Communications Equipment

S-502 Shelter with AN/GRC-142 Communications Equipment



CB

Reference: FM 10-524/TO 13C7-14-471

Weight	3,450 pounds
Height	95 1/2 inches
Width	108 inches
Overall Length	114 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	48 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 15-Foot

Extraction Parachute C-141: 15-Foot

Extraction Parachute C-5: 15-Foot

Extraction Parachute C-17: 15-Foot

Platform: 8-Foot Type V

Cargo Parachutes: One G-11B

Figure 3-42. S-502 Shelter with AN/GRC-142 Communications Equipment

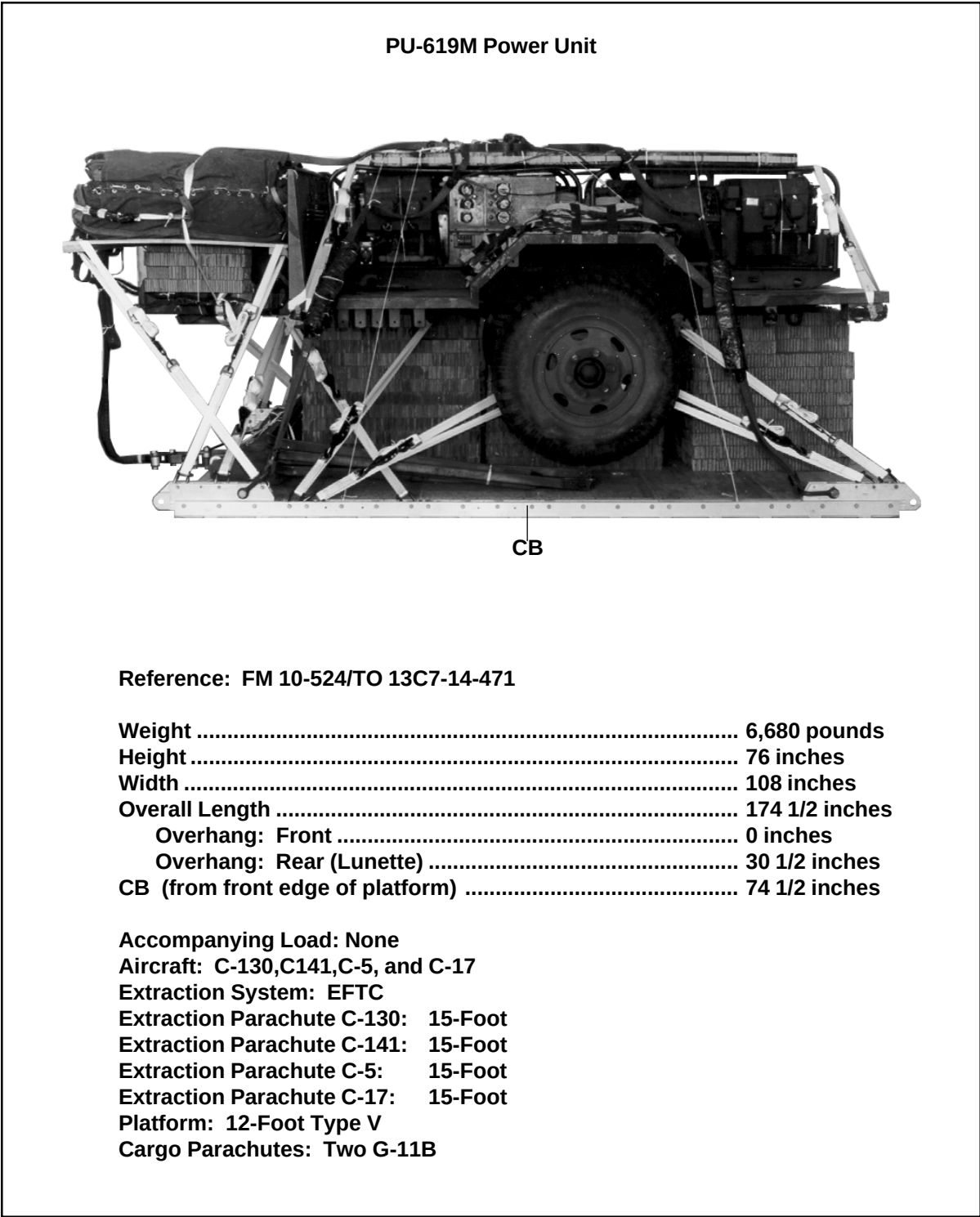
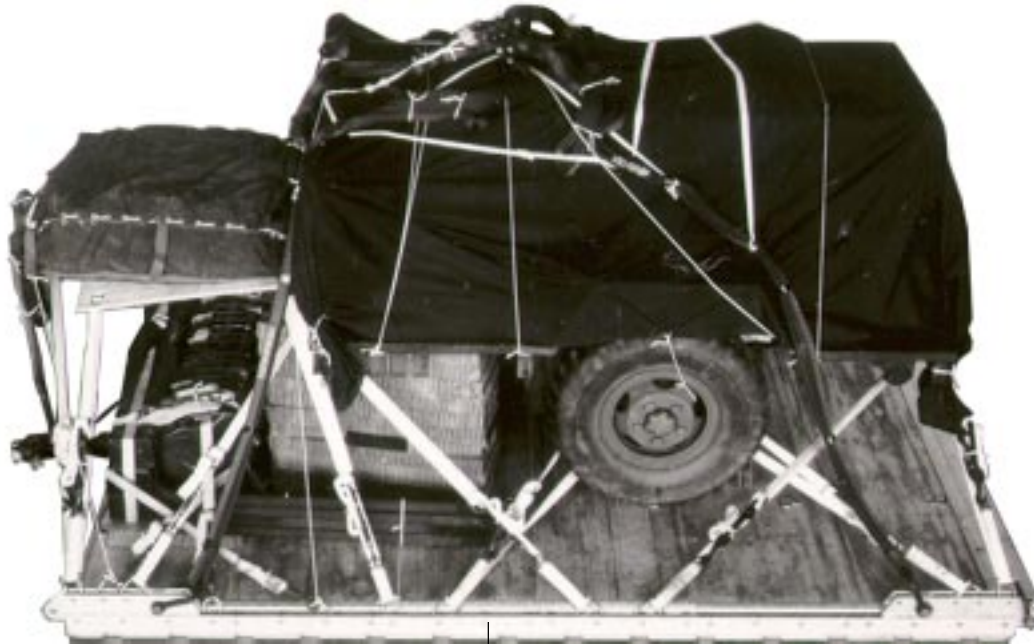


Figure 3-43. PU-619M Power Unit

PU-620M Power Unit



CB

Reference: FM 10-524/TO 13C7-14-471

Weight	4,750 pounds
Height	81 inches
Width	108 inches
Overall Length	162 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	82 1/2 inches

Accompanying Load: Eight fuel cans rigged on platform.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 15-Foot

Extraction Parachute C-141: 15-Foot

Extraction Parachute C-5: 15-Foot

Extraction Parachute C-17: 15-Foot

Platform: 12-Foot Type V

Cargo Parachutes: One G-11B

Figure 3-44. PU-620M Power Unit

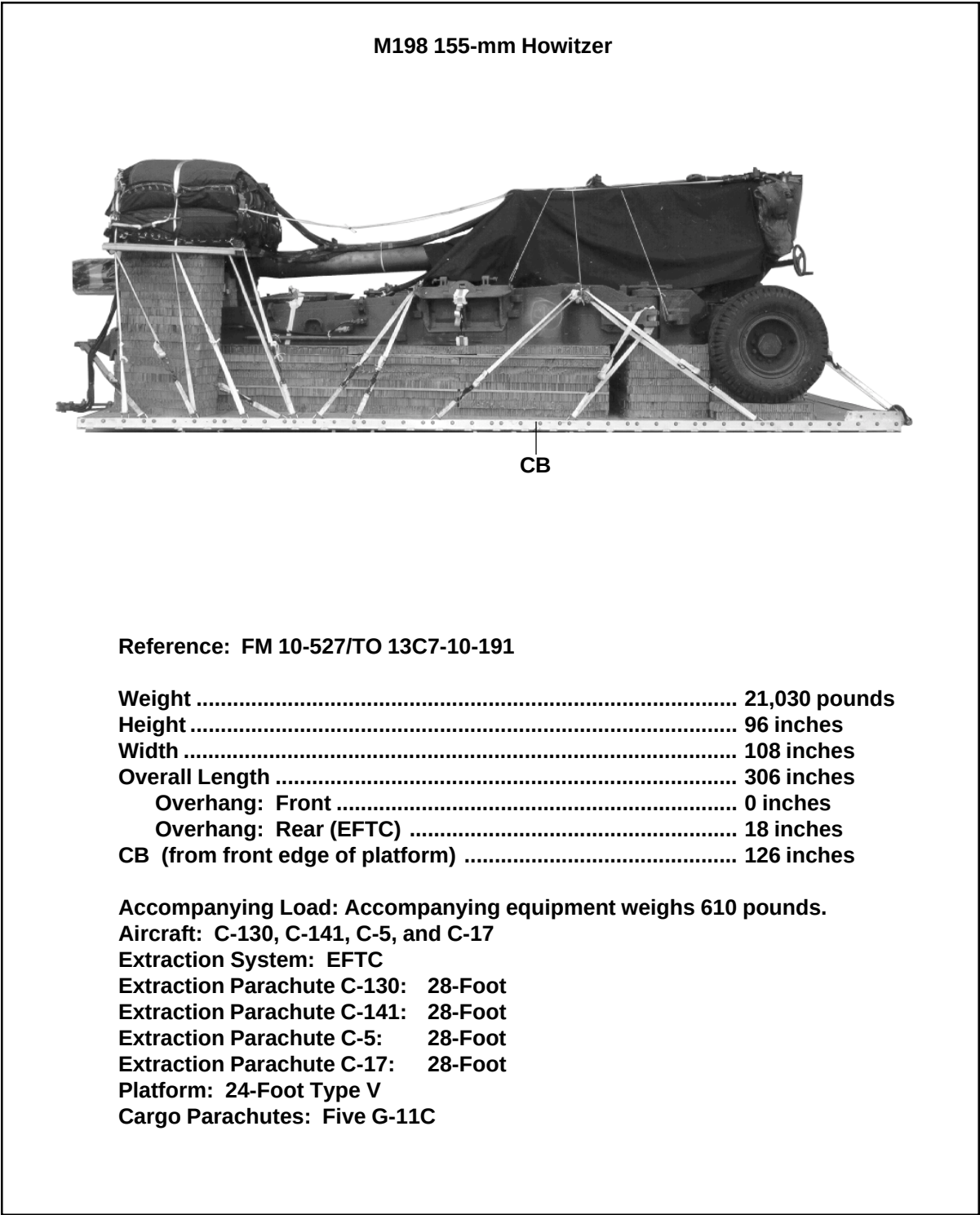
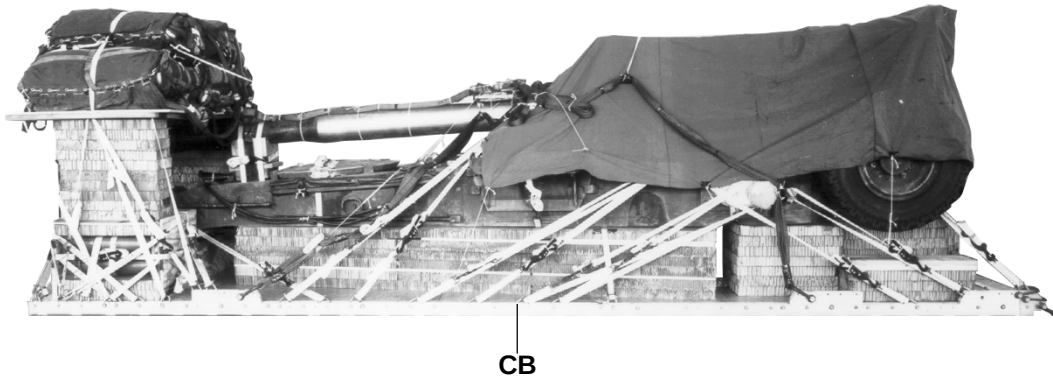


Figure 3-45. M198 155-mm Howitzer

M198 155-mm Howitzer with Accompanying Ammunition



Reference: FM 10-527/TO 13C7-10-191

Weight	23,400 pounds
Height	94 inches
Width	108 inches
Overall Length	306 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	128 inches

Accompanying Load: Accompanying load weighing 1,509 pounds rigged on platform.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 28-Foot

Extraction Parachute C-141: 28-Foot

Extraction Parachute C-5: 28-Foot

Extraction Parachute C-17: 28-Foot

Platform: 24-Foot Type V

Cargo Parachutes: Five G-11C

Figure 3-46. M198 155-mm Howitzer with Accompanying Ammunition

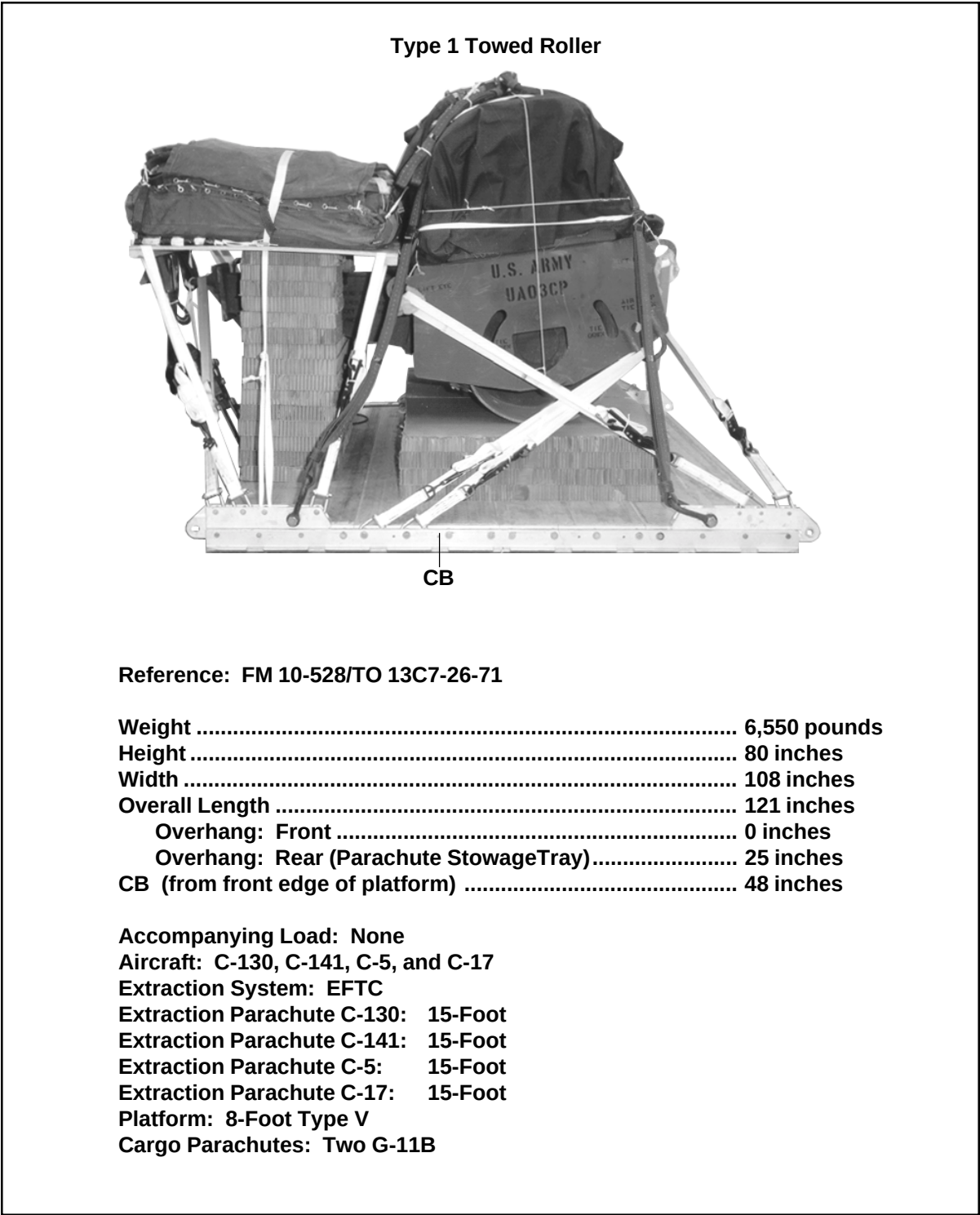
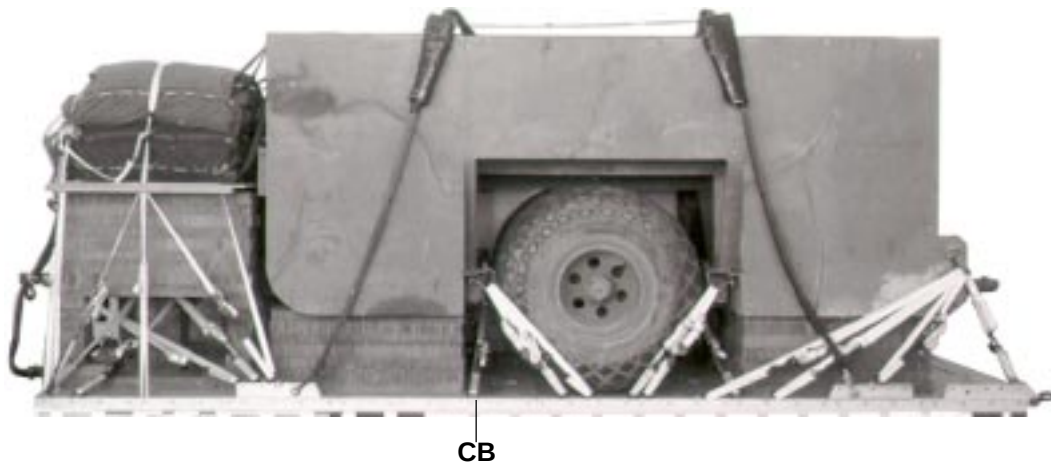


Figure 3-47. Type 1 Towed Roller

M435 Towed Roller



Reference: FM 10-528/TO 13C7-26-71

Weight	15,440 pounds
Height	97 inches
Width	108 inches
Overall Length	260 inches
Overhang: Front	0 inches
Overhang: Rear (Lunette)	20 inches
CB (from front edge of platform)	118 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 20-Foot Type V

Cargo Parachutes: Four G-11B

Figure 3-48. M435 Towed Roller

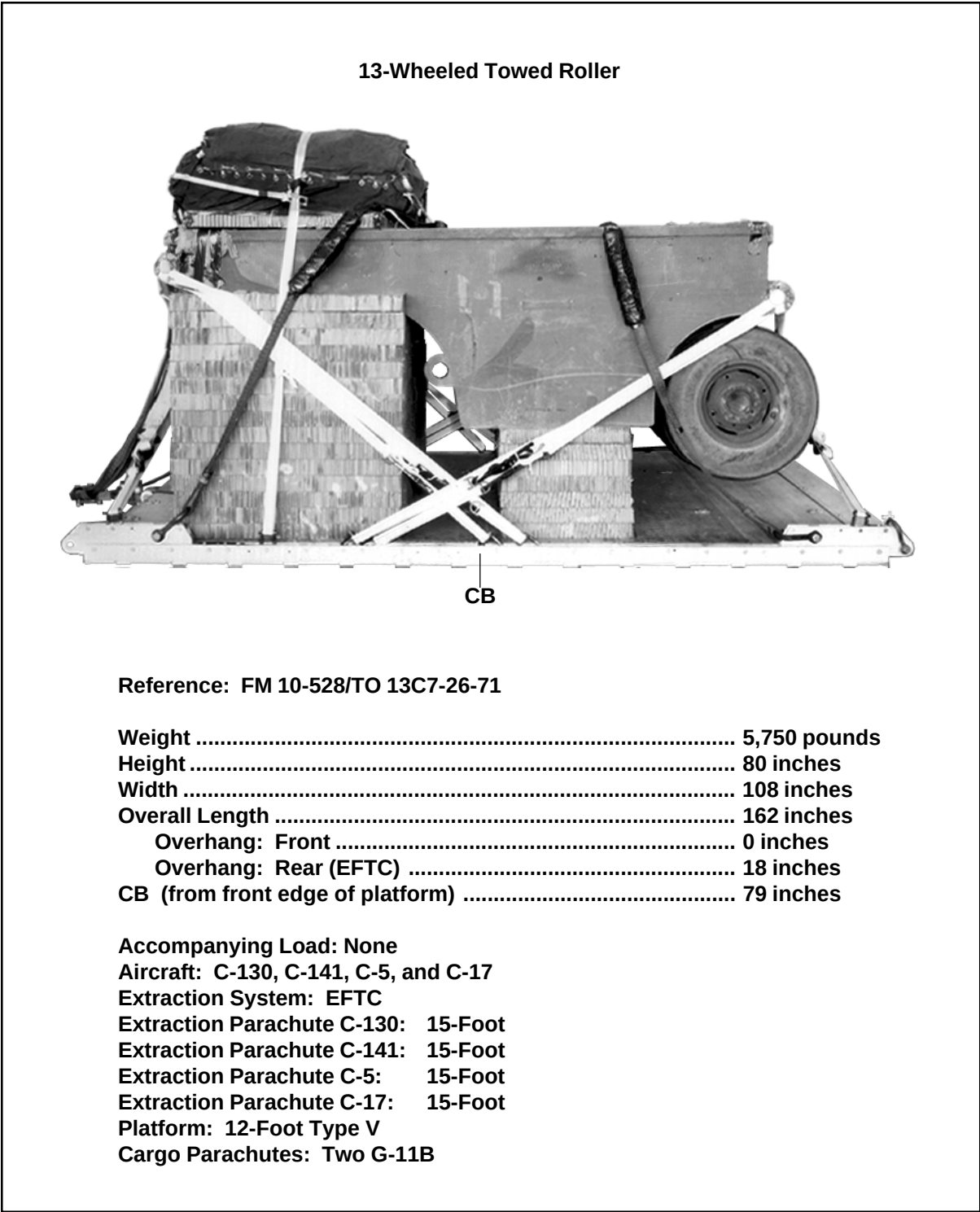
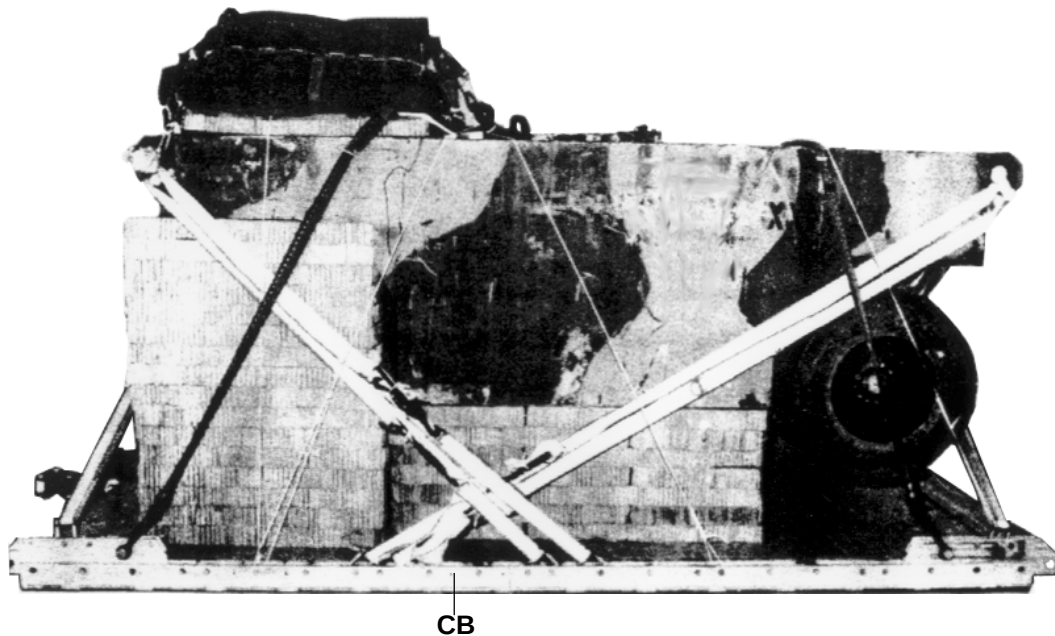


Figure 3-49. 13-Wheeled Towed Roller

11-Wheeled Towed Roller



Reference: FM 10-528/TO 13C7-26-71

Weight	5,140 pounds
Height	86 inches
Width	108 inches
Overall Length	162 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	76 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 15-Foot
 Extraction Parachute C-141: 15-Foot
 Extraction Parachute C-5: 15-Foot
 Extraction Parachute C-17: 15-Foot
 Platform: 12-Foot Type V
 Cargo Parachutes: One G-11B

Figure 3-50. 11-Wheeled Towed Roller

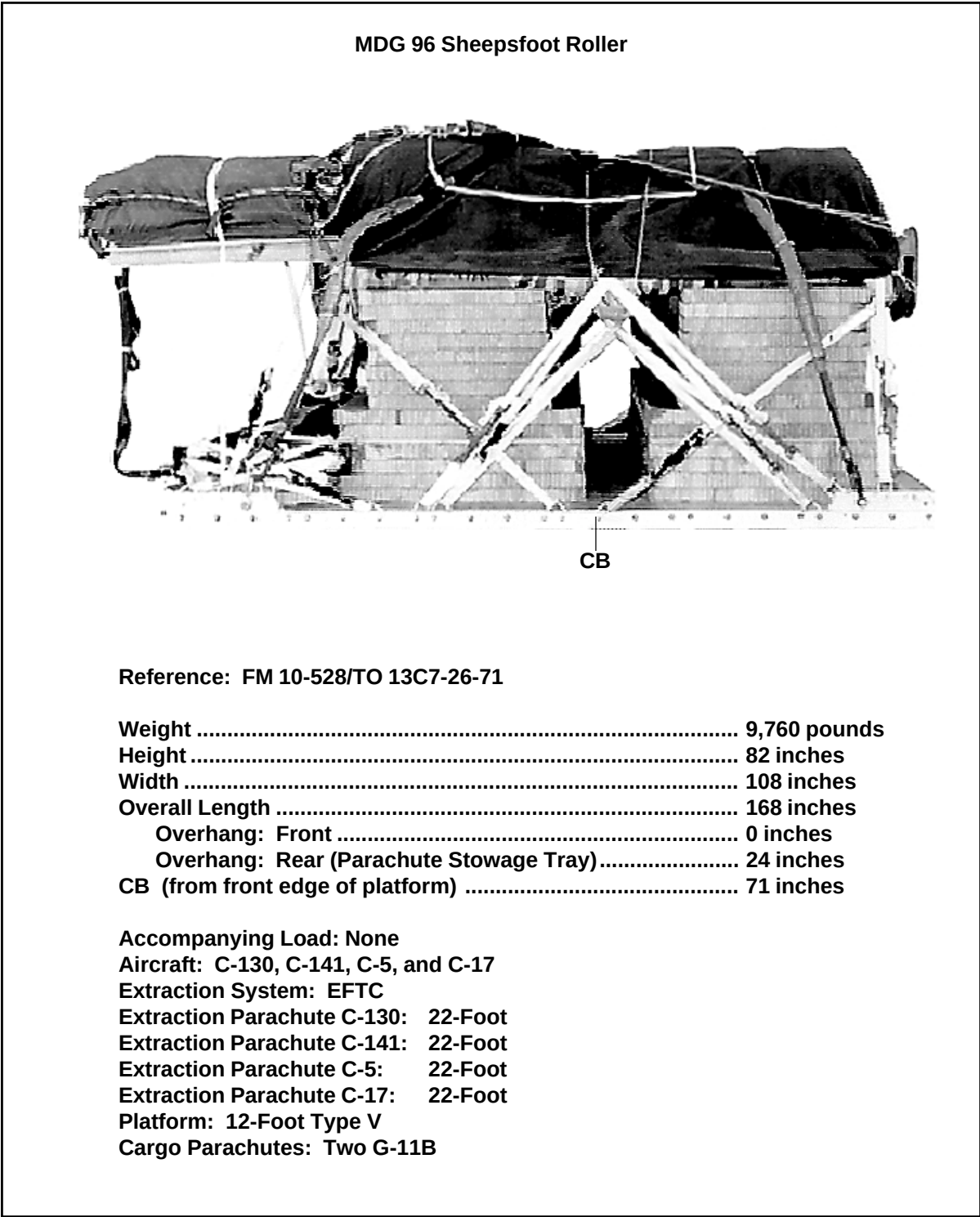
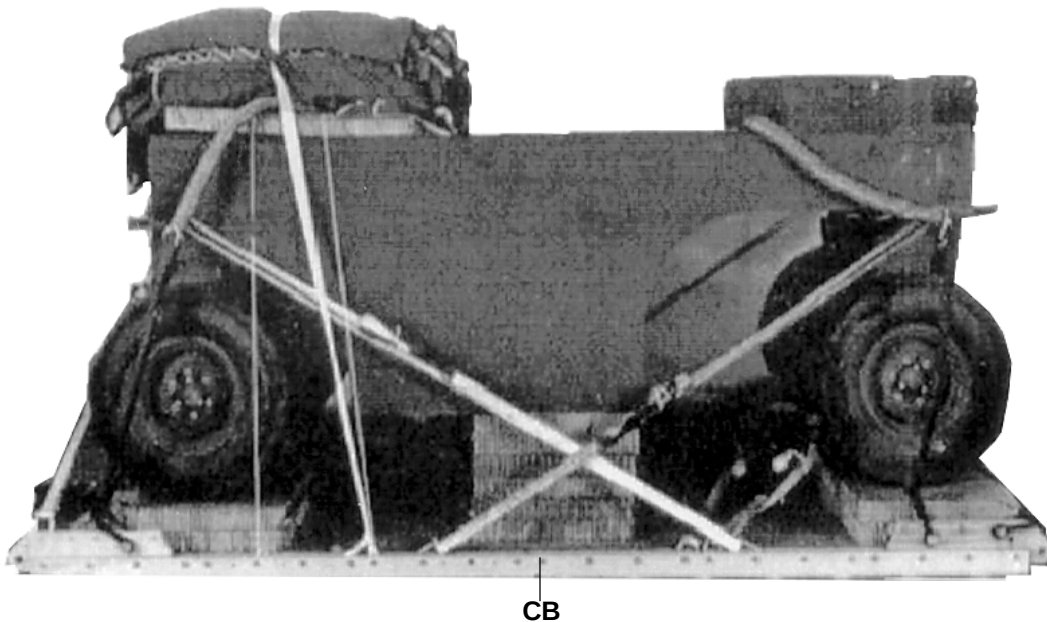


Figure 3-51. MDG 96 Sheepfoot Roller

Thirteen Wheel (Model PT-13) Towed Roller



Reference: FM 10-528/TO 13C7-26-71

Weight	6,582 pounds
Height	75 inches
Width	108 inches
Overall Length	162 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	68 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 15-Foot
 Extraction Parachute C-141: 15-Foot
 Extraction Parachute C-5: 15-Foot
 Extraction Parachute C-17: 15-Foot
 Platform: 12-Foot Type V
 Cargo Parachutes: Two G-11B

Figure 3-52. Thirteen Wheel (Model PT-13) Towed Roller

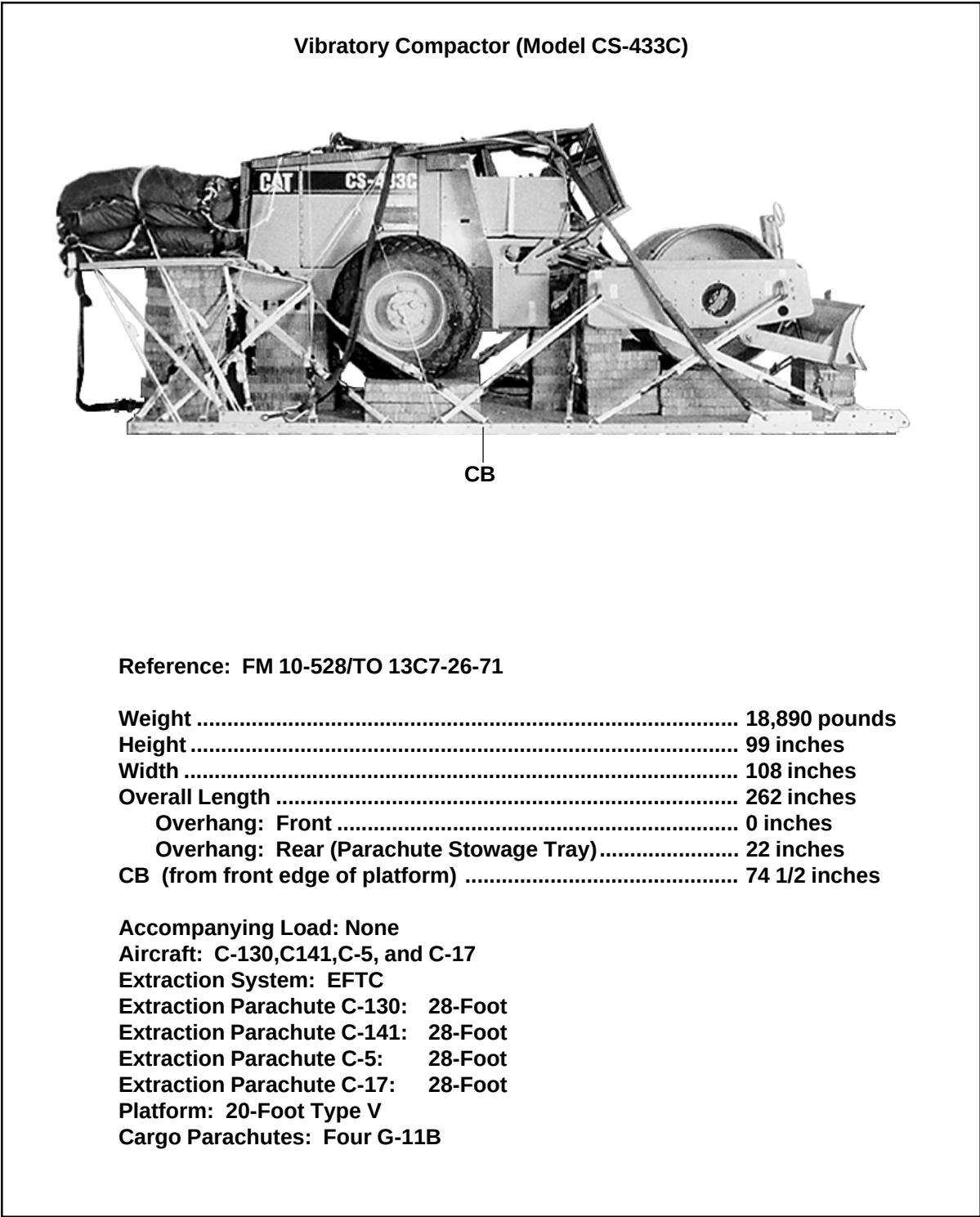
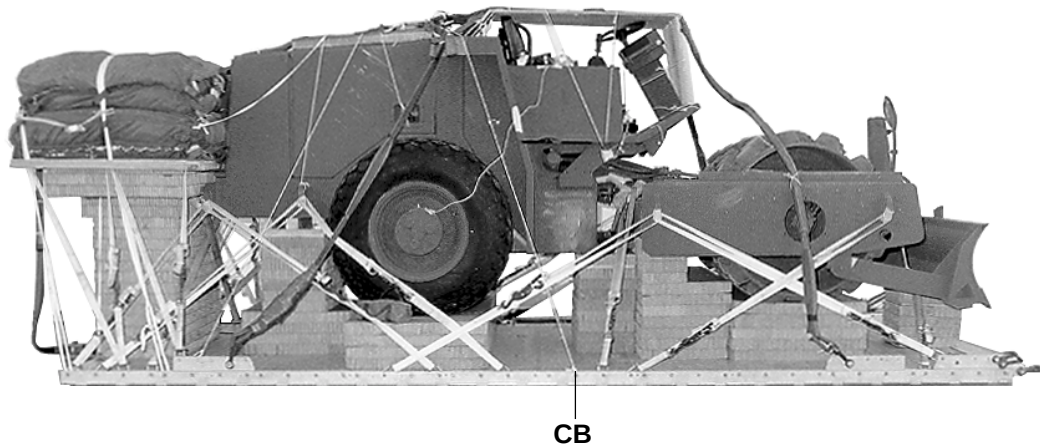


Figure 3-53. Vibratory Compactor (Model CS-433C)

Vibratory Compactor (Model CS-433P)



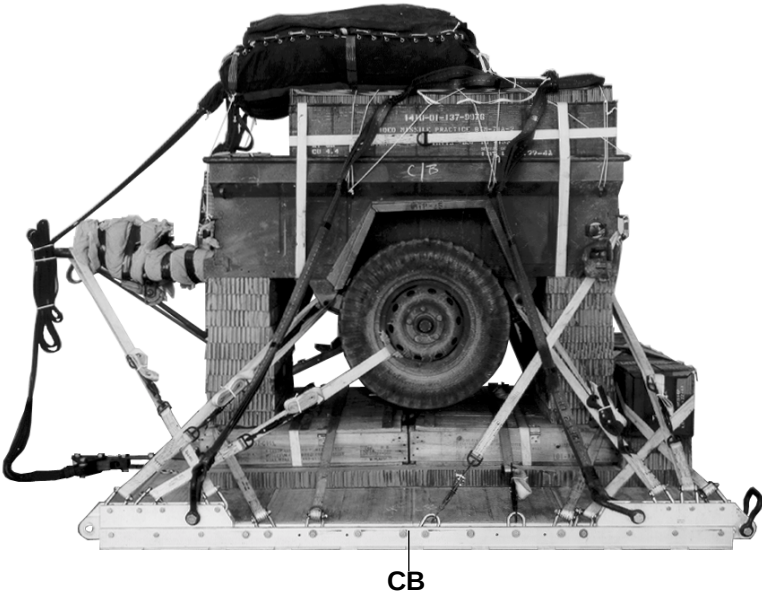
Reference: FM 10-528/TO 13C7-26-71

Weight	19,147 pounds
Height	99 inches
Width	108 inches
Overall Length	262 inches
Overhang: Front	0 inches
Overhang: Rear (Parachute Stowage Tray)	22 inches
CB (from front edge of platform)	108 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 28-Foot
 Extraction Parachute C-141: 28-Foot
 Extraction Parachute C-5: 28-Foot
 Extraction Parachute C-17: 28-Foot
 Platform: 20-Foot Type V
 Cargo Parachutes: Four G-11B

Figure 3-54. Vibratory Compactor (Model CS-433P)

M416 Trailer with Eight Tube-Launched, Optically Tracked, Wire-Guided (TOW) Missiles



Reference: FM 10-500-29/TO 13C7-10-171

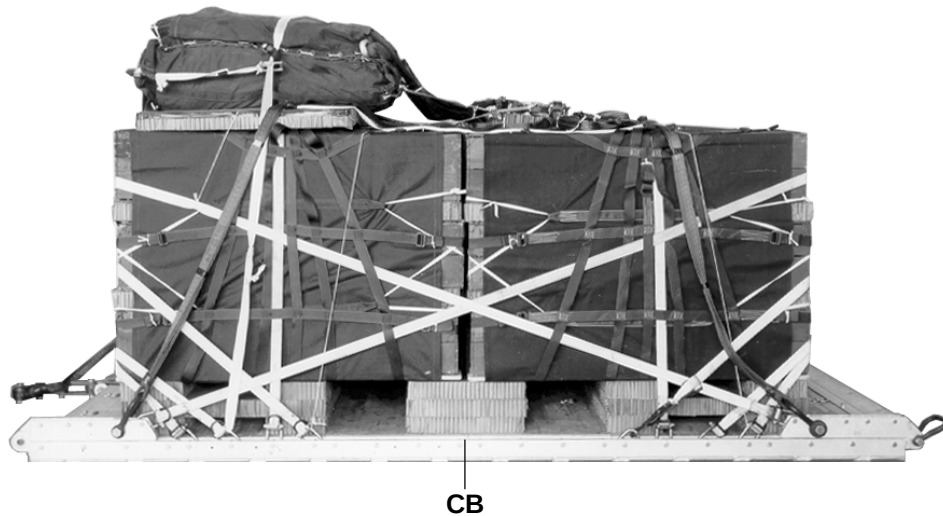
Weight	3,480 pounds
Height	87 inches
Width	108 inches
Overall Length	121 inches
Overhang: Front	0 inches
Overhang: Rear (Lunette)	25 inches
CB (from front edge of platform)	51 inches

Accompanying Load: Accompanying load consists of eight boxes of 105-mm ammunition weighing 588 pounds.

- Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: One 15-Foot
Extraction Parachute C-141: One 15-Foot
Extraction Parachute C-5: One 15-Foot
Extraction Parachute C-17: One 15-Foot
Platform: 8-Foot Type V
Cargo Parachutes: One G-11B

Figure 3-55. M416 Trailer with Eight Tube-Launched, Optically Tracked, Wire-Guided (TOW) Missiles

TOW Missiles Rigged in A-22 Cargo Bags



Reference: FM 10-500-29/TO 13C7-10-171

Weight	6,600 pounds
Height	75 inches
Width	108 inches
Overall Length	162 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	77 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 15-Foot
 Extraction Parachute C-141: 15-Foot
 Extraction Parachute C-5: 15-Foot
 Extraction Parachute C-17: 15-Foot
 Platform: 12-Foot Type V
 Cargo Parachutes: Two G-11B

Figure 3-56. TOW Missiles Rigged in A-22 Cargo Bags

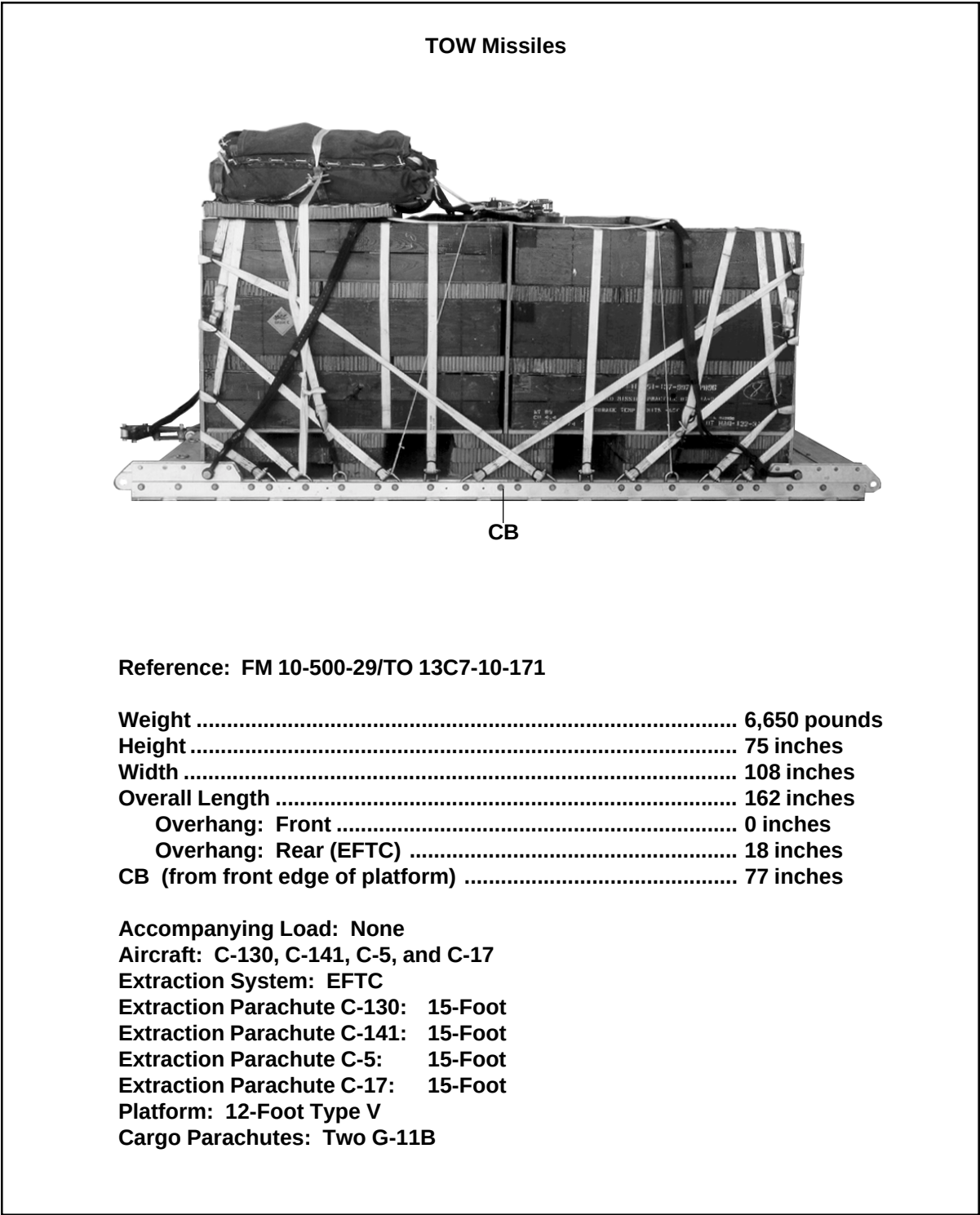
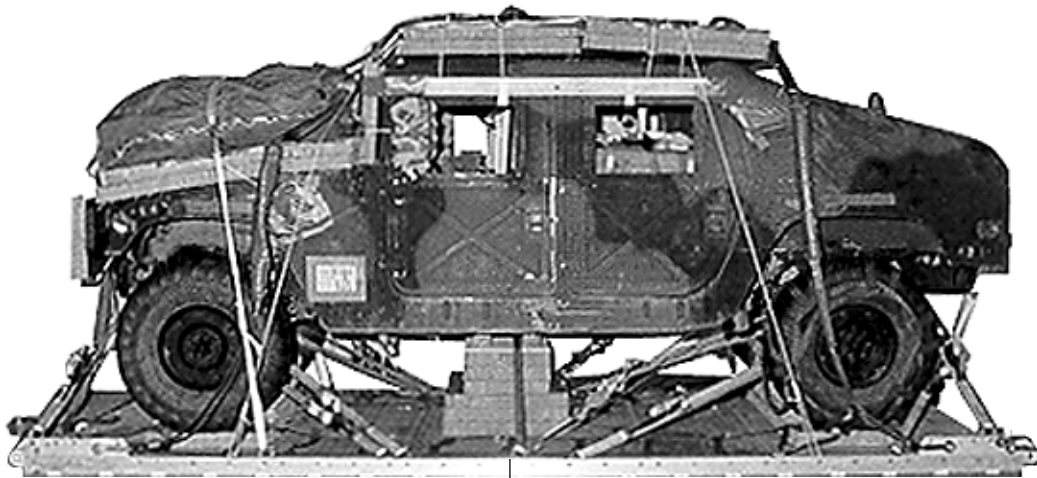


Figure 3-57. TOW Missiles

M966 TOW Carrier



CB

Reference: FM 10-500-29/TO 13C7-10-171

Weight	8,810 pounds
Height	91 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	118 inches

Accompanying Load: Accompanying load weighing a minimum of 800 pounds and a maximum of 2,000 pounds must be rigged in the truck.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-58. M966 TOW Carrier

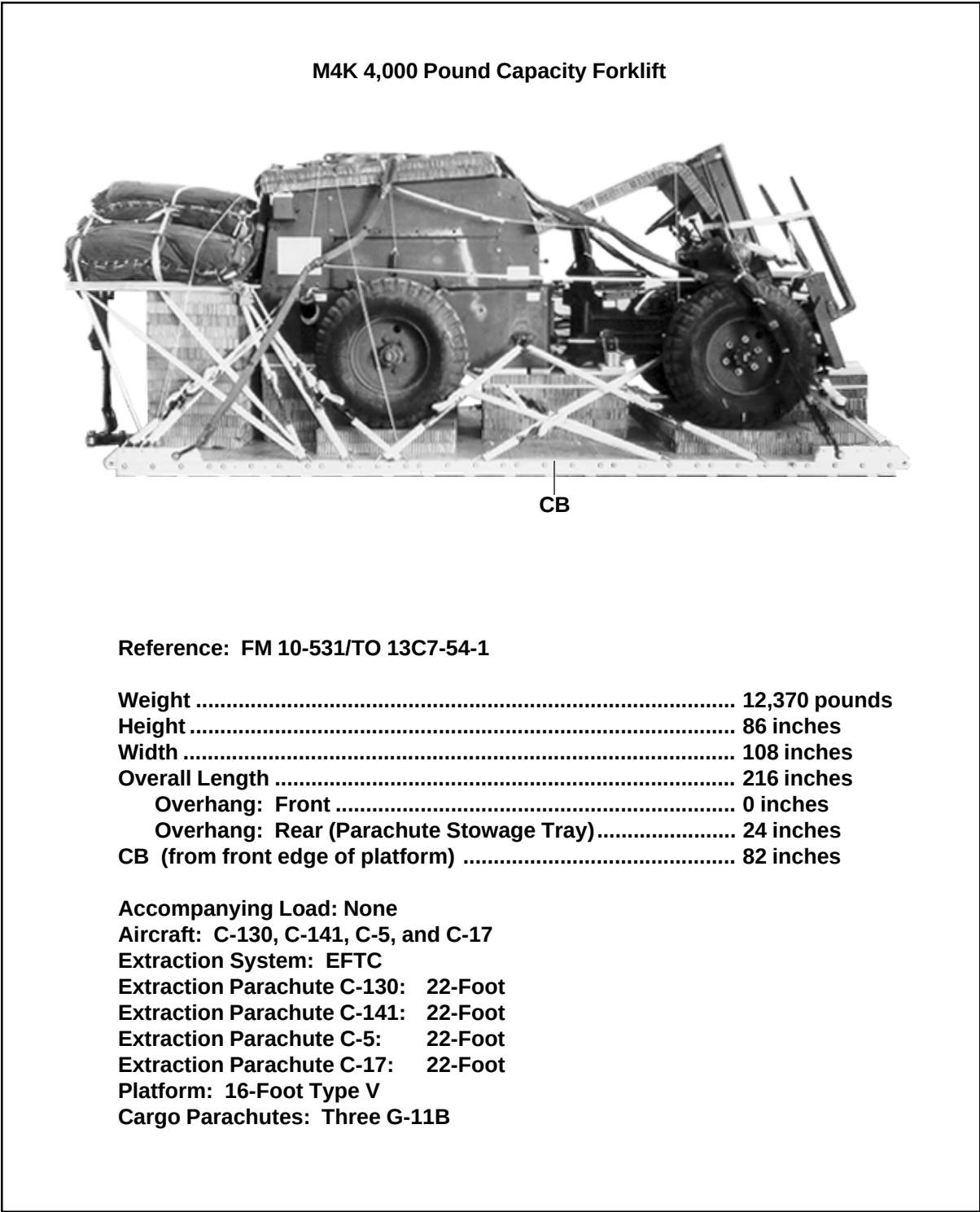
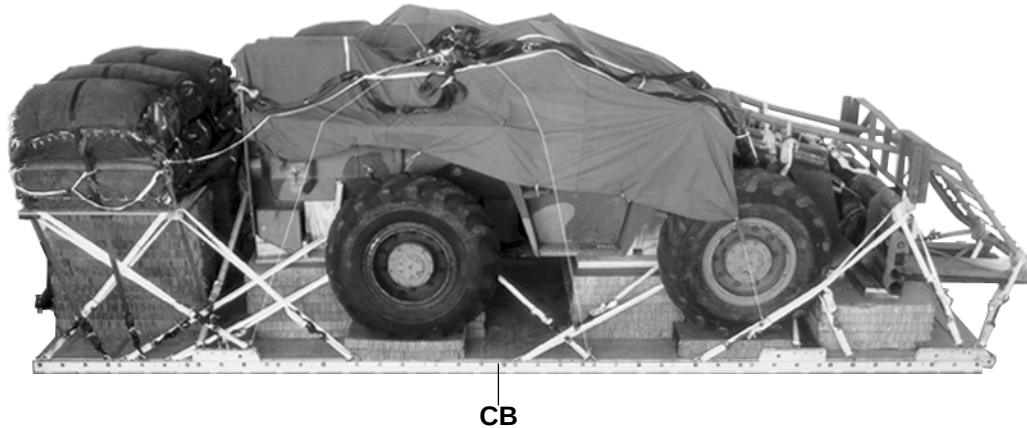


Figure 3-59. M4K 4,000 Pound Capacity Forklift

6,000-Pound Capacity Forklift



Reference: FM 10-531/TO 13C7-54-1

Weight	28,660 pounds
Height	100 3/4 inches
Width	108 inches
Overall Length	333 inches
Overhang: Front (Forks)	27 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	141 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 28-Foot

Extraction Parachute C-141: 28-Foot

Extraction Parachute C-5: 28-Foot

Extraction Parachute C-17: 28-Foot

Platform: 24-Foot Type V

Cargo Parachutes: Six G-11C

Figure 3-60. 6,000-Pound Capacity Forklift

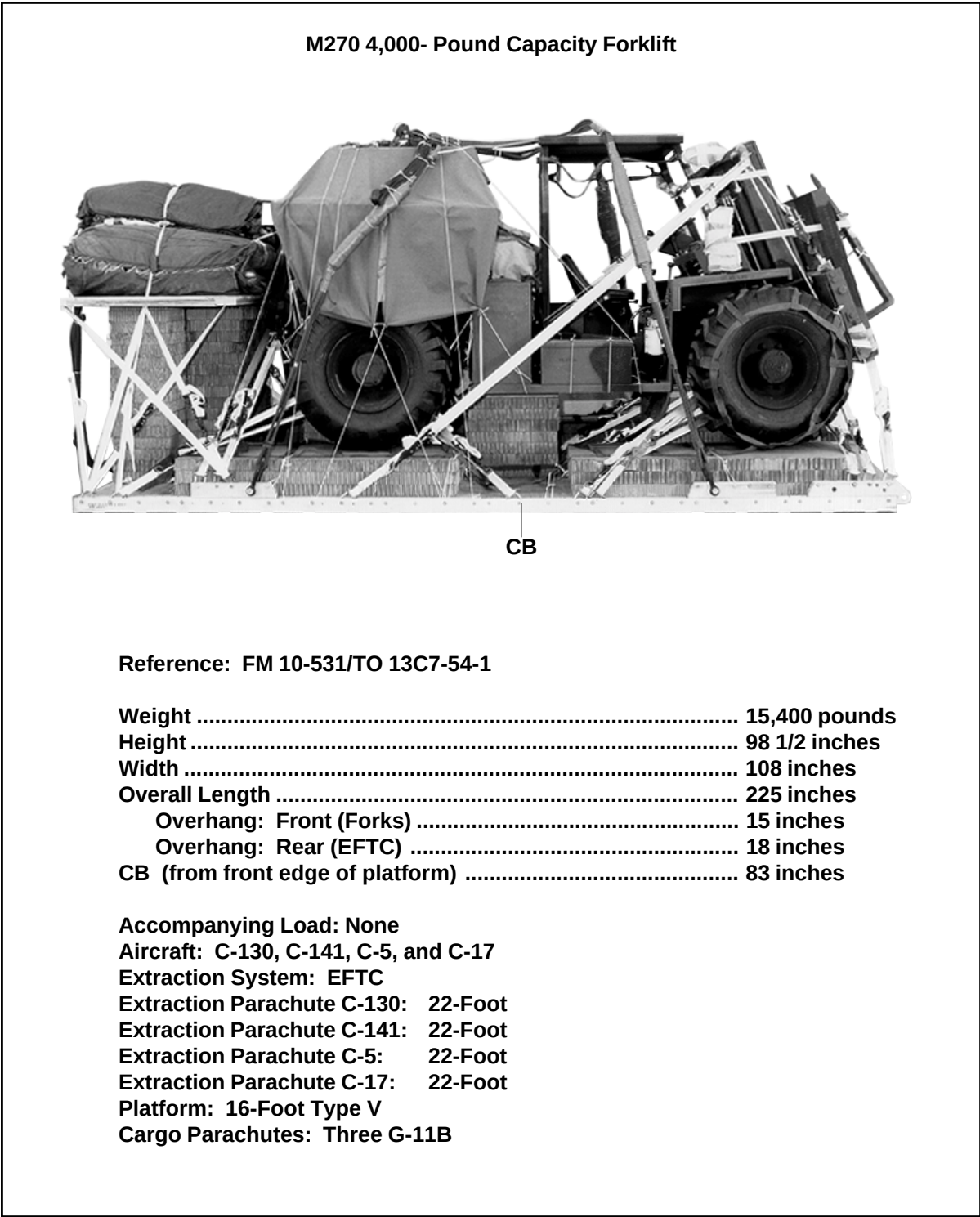
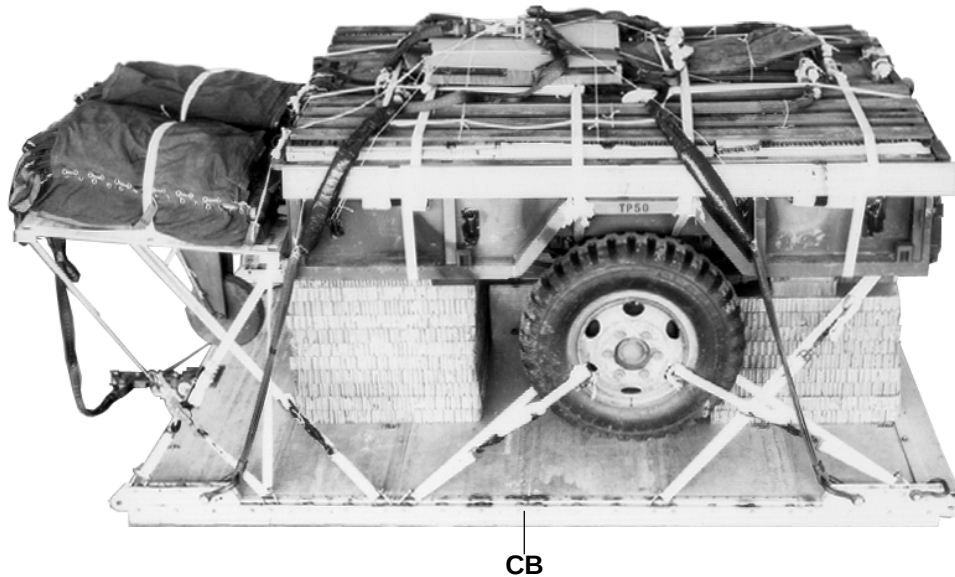


Figure 3-61. M270 4,000- Pound Capacity Forklift

1 1/2-Ton Trailer



Reference: FM 10-532/TO 13C7-3-361

Weight	7,360 pounds
Height	81 inches
Width	108 inches
Overall Length	166 inches
Overhang: Front	0 inches
Overhang: Rear (Parachute Stowage Tray).....	22 inches
CB (from front edge of platform)	72 inches

Accompanying Load: Accompanying load must not weigh more than 3,000 pounds.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 15-Foot

Extraction Parachute C-141: 15-Foot

Extraction Parachute C-5: 15-Foot

Extraction Parachute C-17: 15-Foot

Platform: 12-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-62. 1 1/2-Ton Trailer

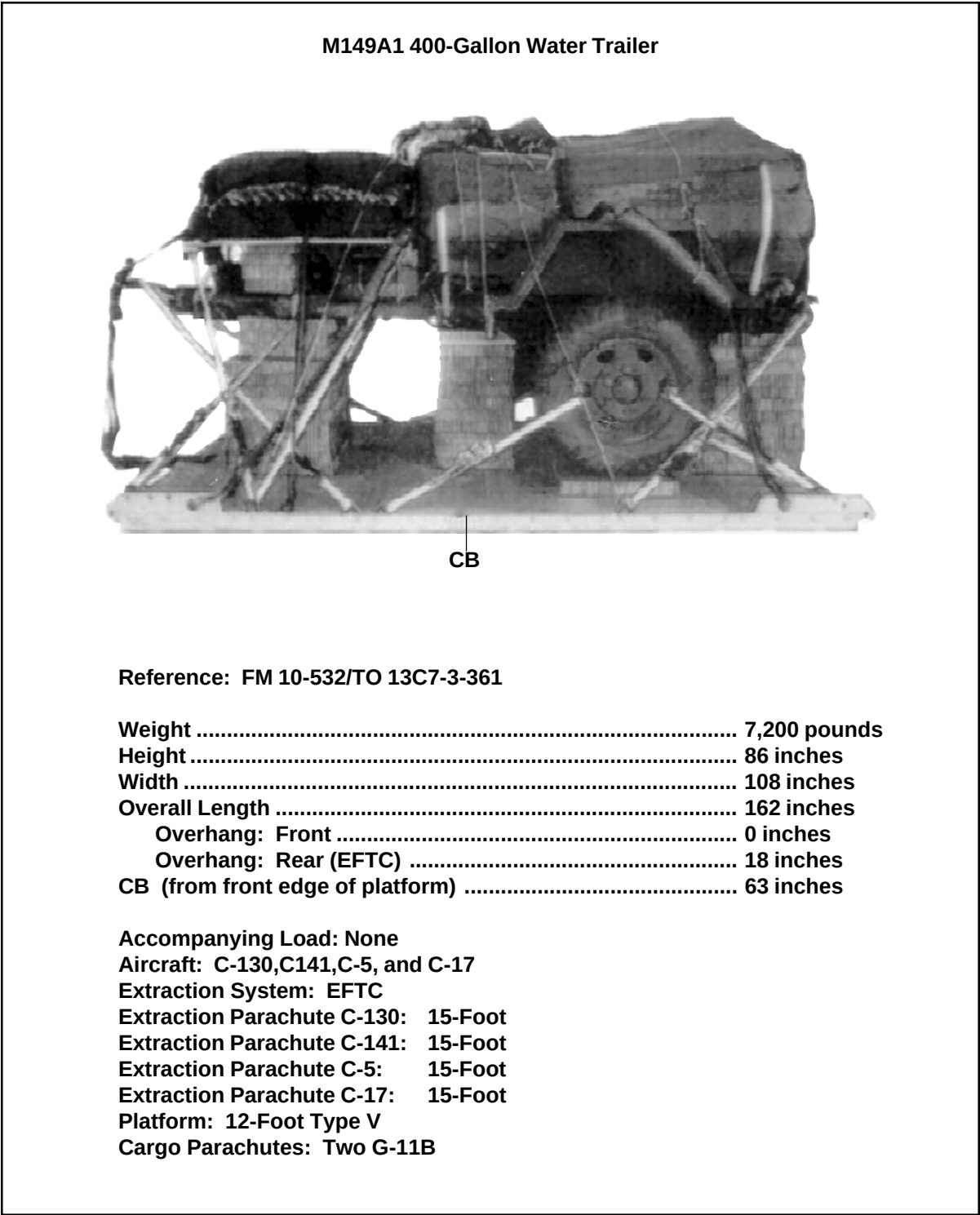
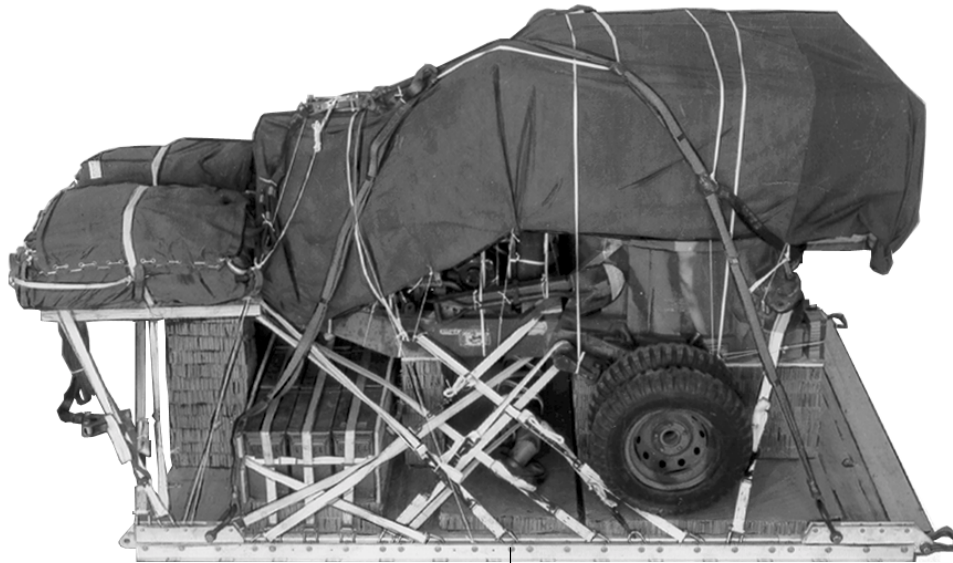


Figure 3-63. M149A1 400-Gallon Water Trailer

M167A1 Gun



CB

Reference: FM 10-534/TO 13C7-10-161

Weight	7,250 pounds
Height	89 inches
Width	108 inches
Overall Length	176 inches
Overhang: Front	0 inches
Overhang: Rear (Parachute Stowage Tray).....	32 inches
CB (from front edge of platform)	108 inches

Accompanying Load: Stow 15 boxes of 20-mm ammunition on platform.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 15-Foot

Extraction Parachute C-141: 15-Foot

Extraction Parachute C-5: 15-Foot

Extraction Parachute C-17: 15-Foot

Platform: 12-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-64. M167A1 Gun

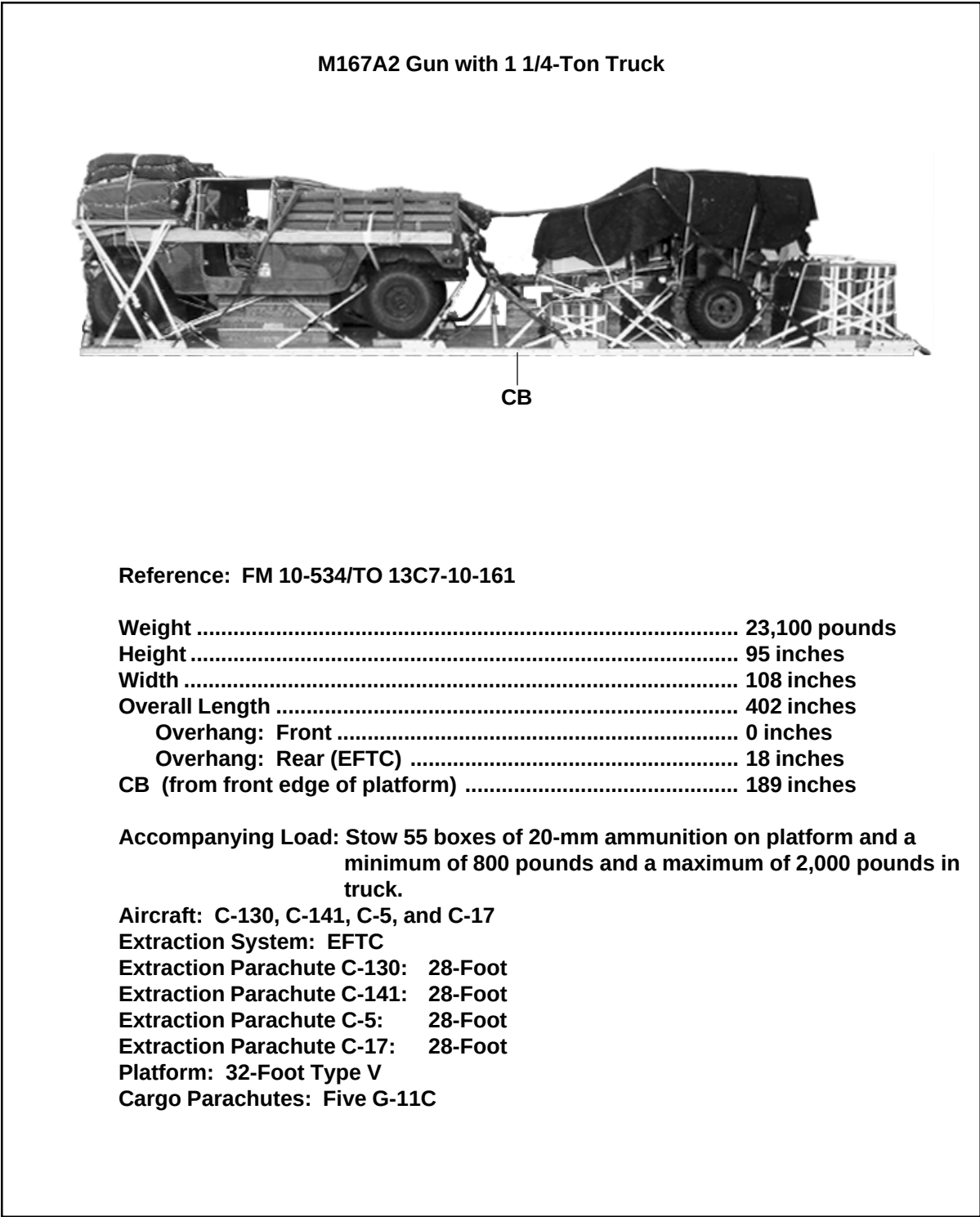
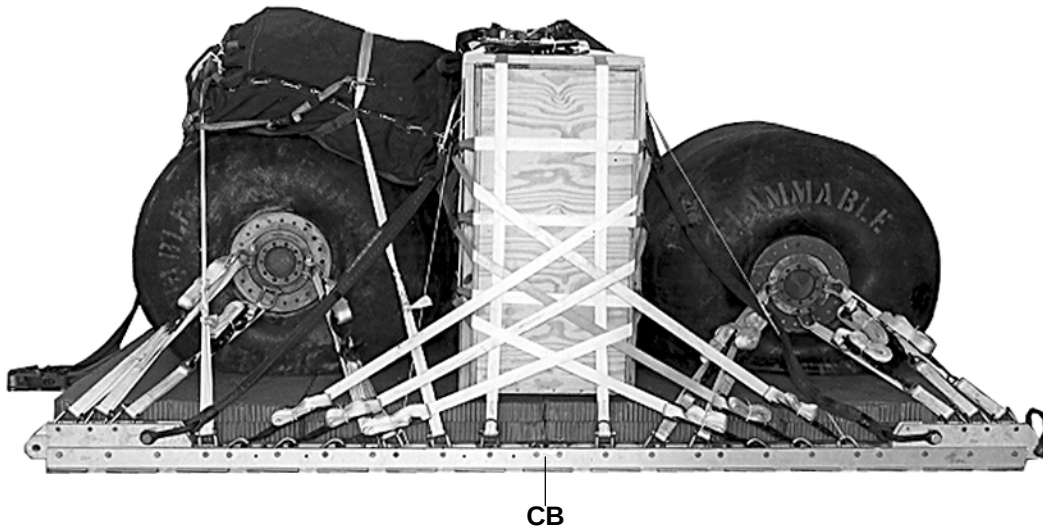


Figure 3-65. M167A2 Gun with 1 1/4-Ton Truck

Forward Area Refueling Equipment (FARE) with Two 500-Gallon Fuel Drums



Reference: FM 10-537/TO 13C7-1-19

Weight	9,107 pounds
Height	70 inches
Width	108 inches
Overall Length	162 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	72 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 22-Foot
 Extraction Parachute C-141: 22-Foot
 Extraction Parachute C-5: 22-Foot
 Extraction Parachute C-17: 22-Foot
 Platform: 12-Foot Type V
 Cargo Parachutes: Two G-11B

Figure 3-66. Forward Area Refueling Equipment (FARE) with Two 500-Gallon Fuel Drums

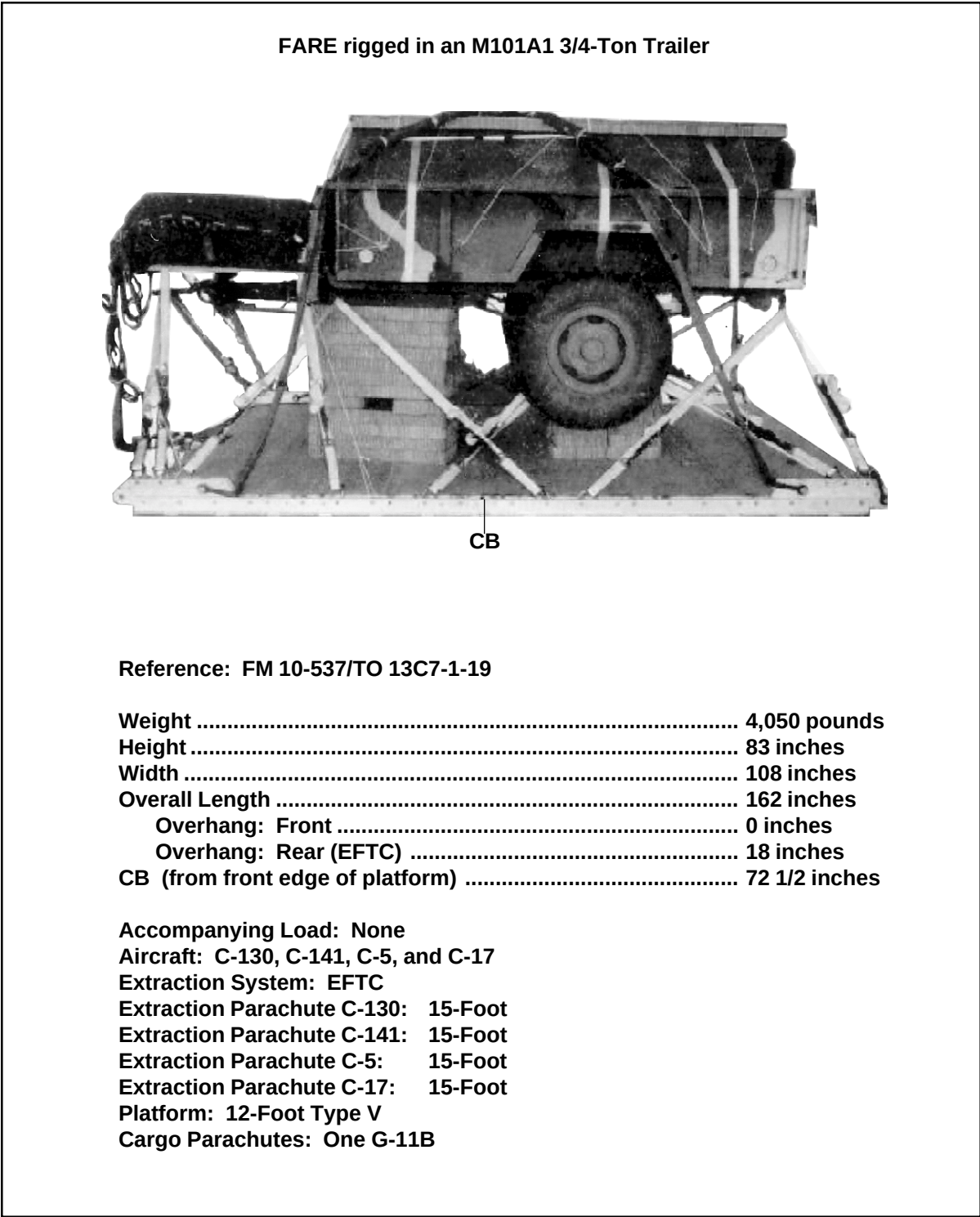
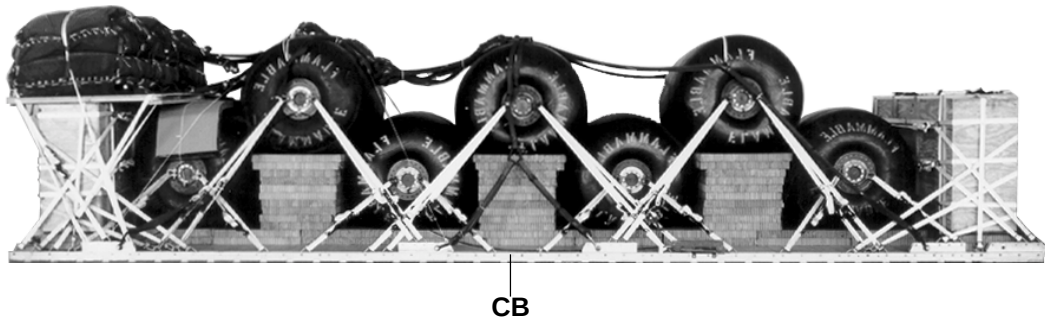


Figure 3-67. FARE rigged in an M101A1 3/4-Ton Trailer

FARE with Seven 500-Gallon Fuel Drums



Reference: FM 10-537/TO 13C7-1-19

Weight	28,000 pounds
Height	95 inches
Width	108 inches
Overall Length	402 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	202 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 28-Foot

Extraction Parachute C-141: 28-Foot

Extraction Parachute C-5: 28-Foot

Extraction Parachute C-17: 28-Foot

Platform: 32-Foot Type V

Cargo Parachutes: Six G-11C

Figure 3-68. FARE with Seven 500-Gallon Fuel Drums

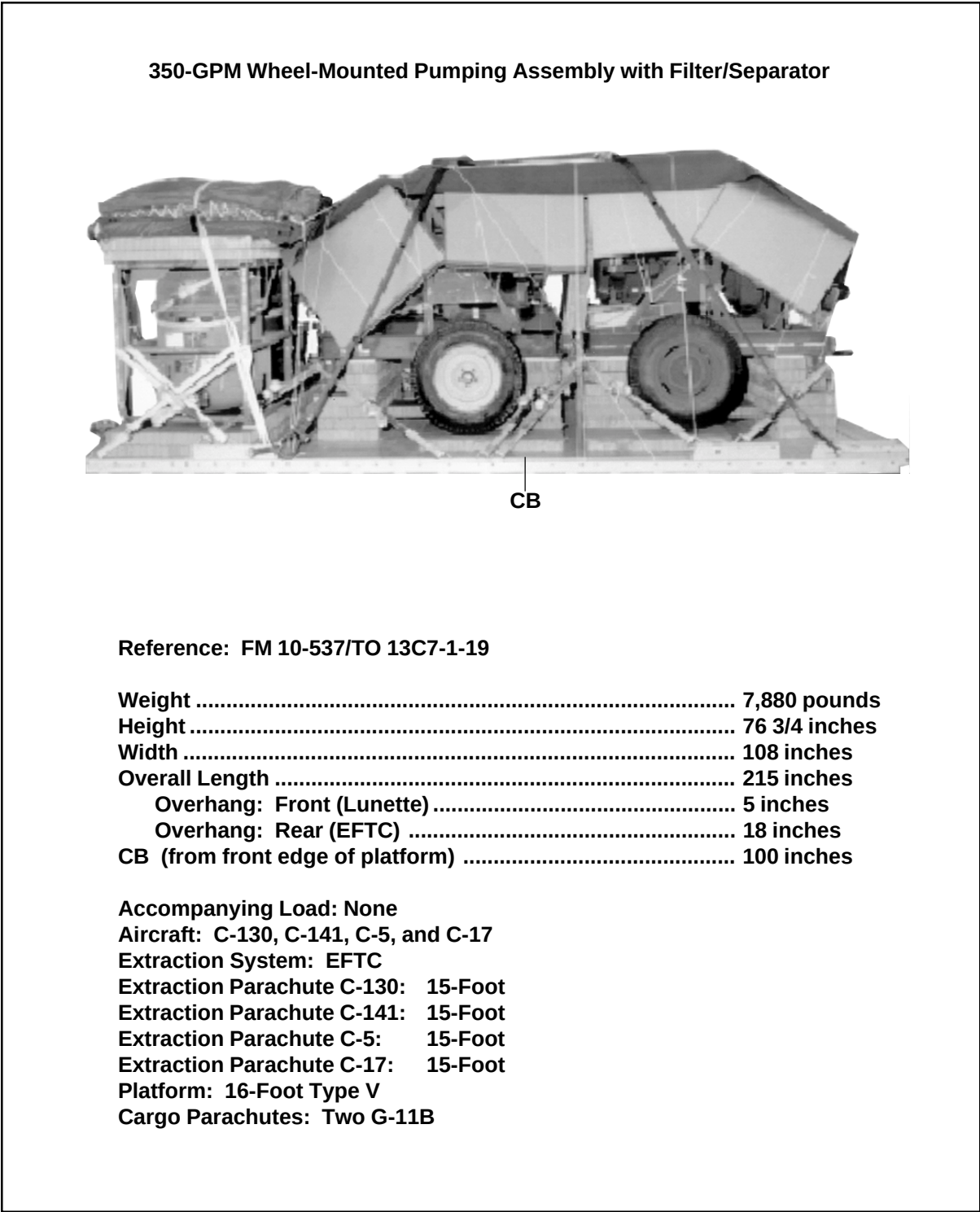
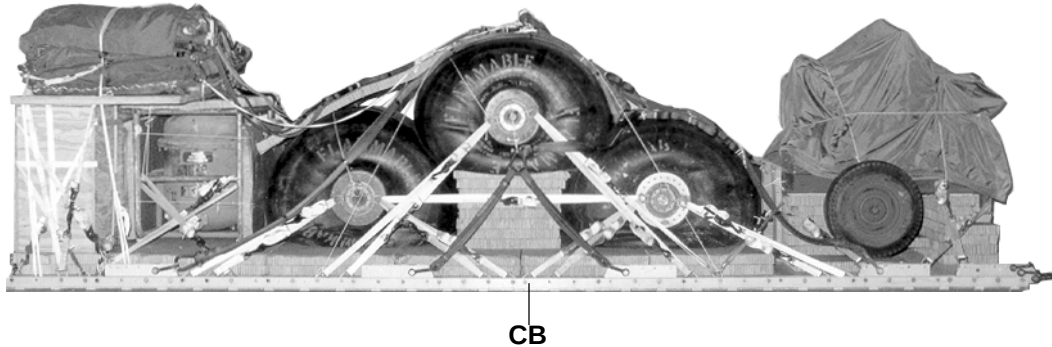


Figure 3-69. 350-GPM Wheel-Mounted Pumping Assembly with Filter/Separator

Three 500-Gallon Drums with Pump and Separator



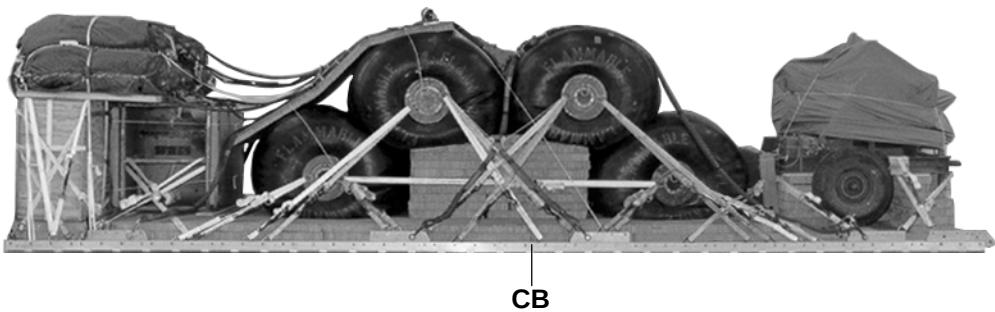
Reference: FM 10-537/TO 13C7-1-19

Weight	19,689 pounds
Height	89 inches
Width	108 inches
Overall Length	324 inches
Overhang: Front (Lunette)	18 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	144 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 28-Foot
Extraction Parachute C-141: 28-Foot
Extraction Parachute C-5: 28-Foot
Extraction Parachute C-17: 28-Foot
Platform: 24-Foot Type V
Cargo Parachutes: Four G-11B

Figure 3-70. Three 500-Gallon Drums with Pump and Separator

Four 500-Gallon Drums with Pump and Separator



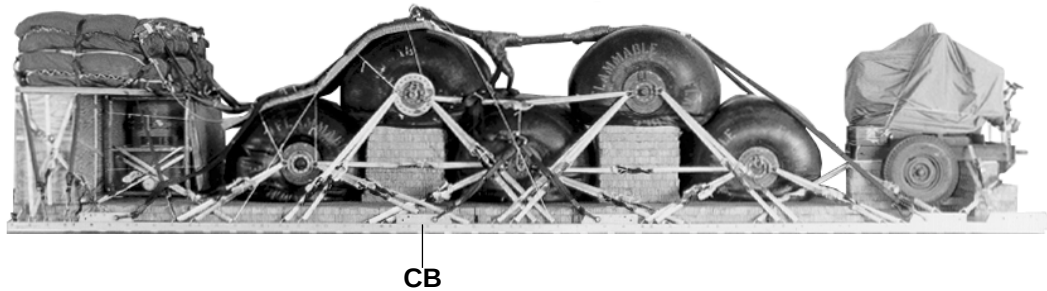
Reference: FM 10-537/TO 13C7-1-19

Weight	24,408 pounds
Height	89 inches
Width	108 inches
Overall Length	372 inches
Overhang: Front (Lunette)	18 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	172 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 28-Foot
Extraction Parachute C-141: 28-Foot
Extraction Parachute C-5: 28-Foot
Extraction Parachute C-17: 28-Foot
Platform: 28-Foot Type V
Cargo Parachutes: Five G-11C

Figure 3-71. Four 500-Gallon Drums with Pump and Separator

Five 500-Gallon Drums with Pump and Separator



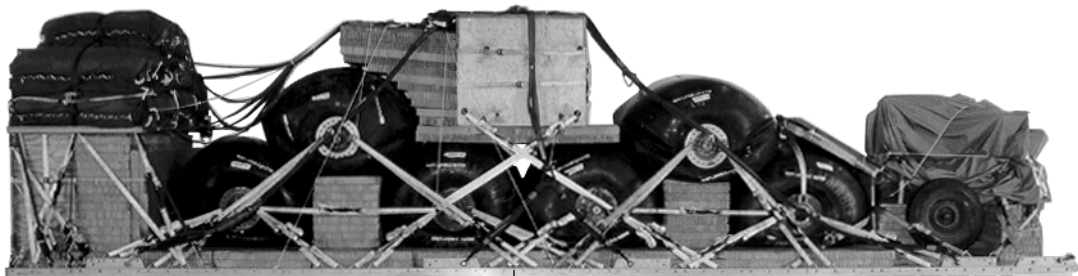
Reference: FM 10-537/TO 13C7-1-19

Weight	28,855 pounds
Height	75 inches
Width	108 inches
Overall Length	420 inches
Overhang: Front (Lunette)	18 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	198 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 28-Foot
 Extraction Parachute C-141: 28-Foot
 Extraction Parachute C-5: 28-Foot
 Extraction Parachute C-17: 28-Foot
 Platform: 32-Foot Type V
 Cargo Parachutes: Six G-11C

Figure 3-72. Five 500-Gallon Drums with Pump and Separator

Six 500-Gallon Drums with Pump and Separator



CB

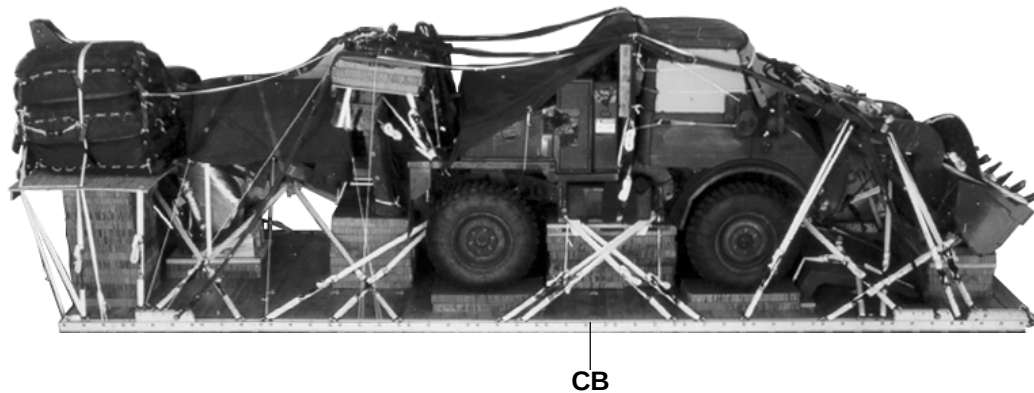
Reference: FM 10-537/TO 13C7-1-191

Weight	32,730 pounds
Height	97 inches
Width	108 inches
Overall Length	420 inches
Overhang: Front (Lunette)	18 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	201 inches

Accompanying Load: None
Aircraft: C-130,C141,C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: Two 28-Foot
Extraction Parachute C-141: Two 28-Foot
Extraction Parachute C-5: Two 28-Foot
Extraction Parachute C-17: Two 28-Foot
Platform: 32-Foot Type V
Cargo Parachutes: Seven G-11C

Figure 3-73. Six 500-Gallon Drums with Pump and Separator

Small Emplacement Excavator (SEE)



Reference: FM 10-539/TO 13C7-1-17

Weight	21,624 pounds
Height	99 3/4 inches
Width	108 inches
Overall Length	364 inches
Overhang: Front (Front of vehicle)	6 inches
Overhang: Rear (Rear of vehicle)	22 inches
CB (from front edge of platform)	165 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 28-Foot
 Extraction Parachute C-141: 28-Foot
 Extraction Parachute C-5: 28-Foot
 Extraction Parachute C-17: 28-Foot
 Platform: 28-Foot Type V
 Cargo Parachutes: Five G-11C

Figure 3-74. Small Emplacement Excavator (SEE)

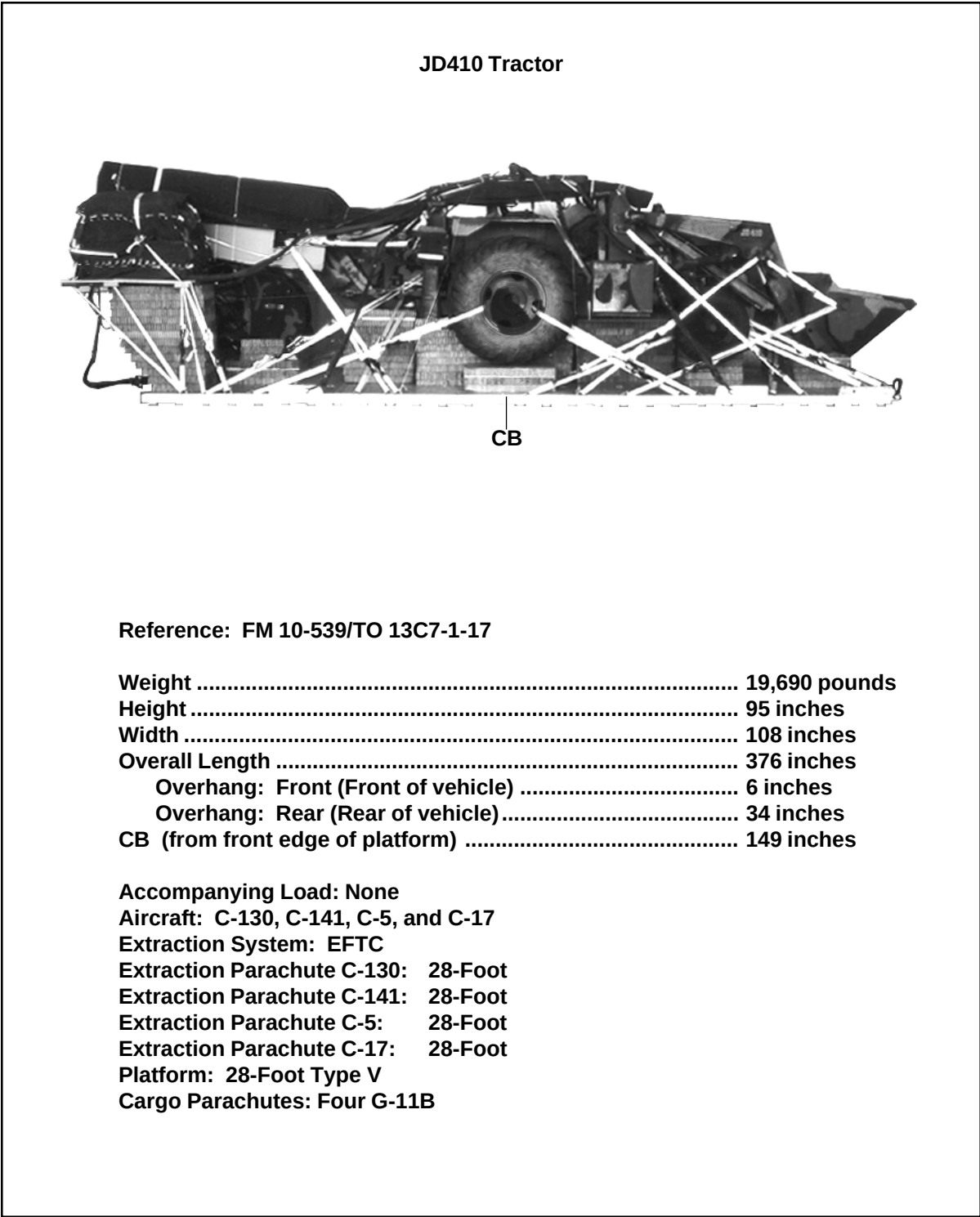
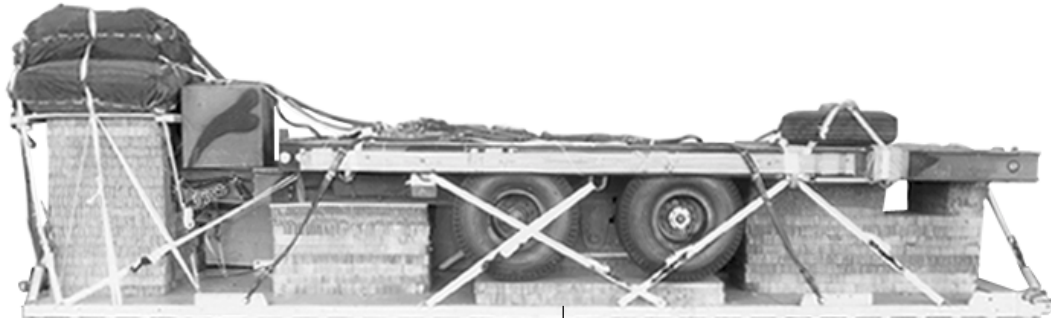


Figure 3-75. JD410 Tractor

Fifteen-Ton Tilt Bed Trailer



CB

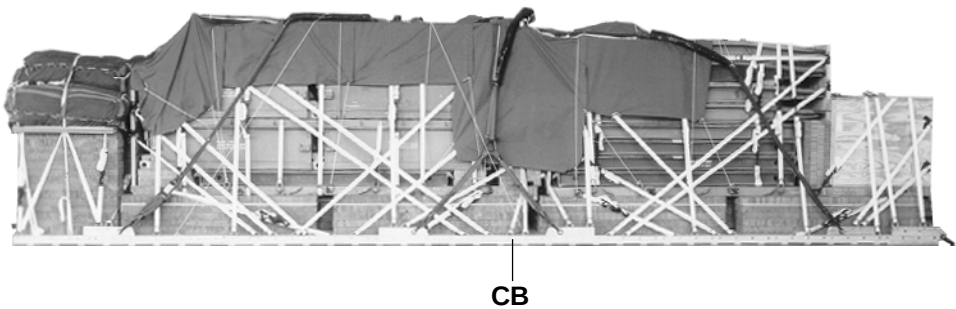
Reference: FM 10-540/TO 13C7-3-381

Weight	12,350 pounds
Height	90 inches
Width	108 inches
Overall Length	306 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	146 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 22-Foot
Extraction Parachute C-141: 22-Foot
Extraction Parachute C-5: 22-Foot
Extraction Parachute C-17: 22-Foot
Platform: 24-Foot Type V
Cargo Parachutes: Three G-11B

Figure 3-76. Fifteen-Ton Tilt Bed Trailer

Five-Bay, Single-Story, Medium Girder (Fixed) Bridge



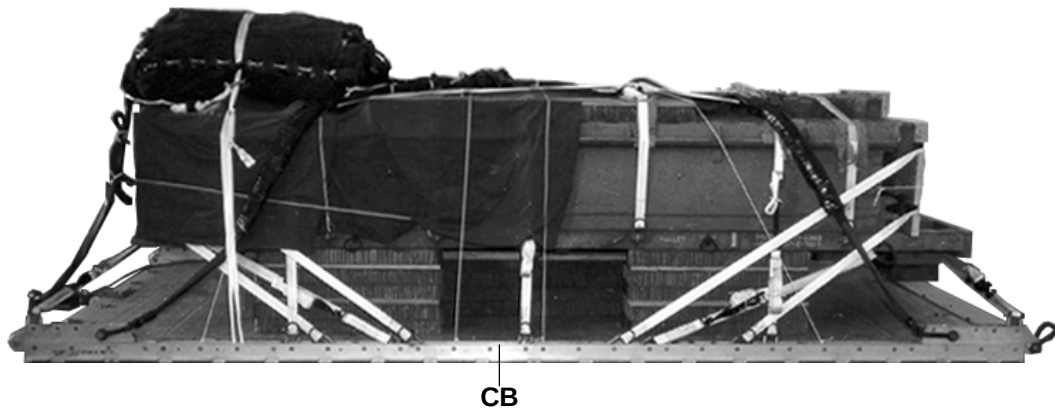
Reference: FM 10-541/TO 13C7-11-21

Weight	22,480 pounds
Height	97 inches
Width	108 inches
Overall Length	402 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	186 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 28-Foot
Extraction Parachute C-141: 28-Foot
Extraction Parachute C-5: 28-Foot
Extraction Parachute C-17: 28-Foot
Platform: 32-Foot Type V
Cargo Parachutes: Five G-11C

Figure 3-77. Five-Bay, Single-Story, Medium Girder (Fixed) Bridge

Two-Bay Components for the Seven-Bay, Single-Story, Medium Girder (Fixed) Bridge



Reference: FM 10-541/TO 13C7-11-21

Weight	6,310 pounds
Height	67 1/2 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	101 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 15-Foot

Extraction Parachute C-141: 15-Foot

Extraction Parachute C-5: 15-Foot

Extraction Parachute C-17: 15-Foot

Platform: 16-Foot Type V

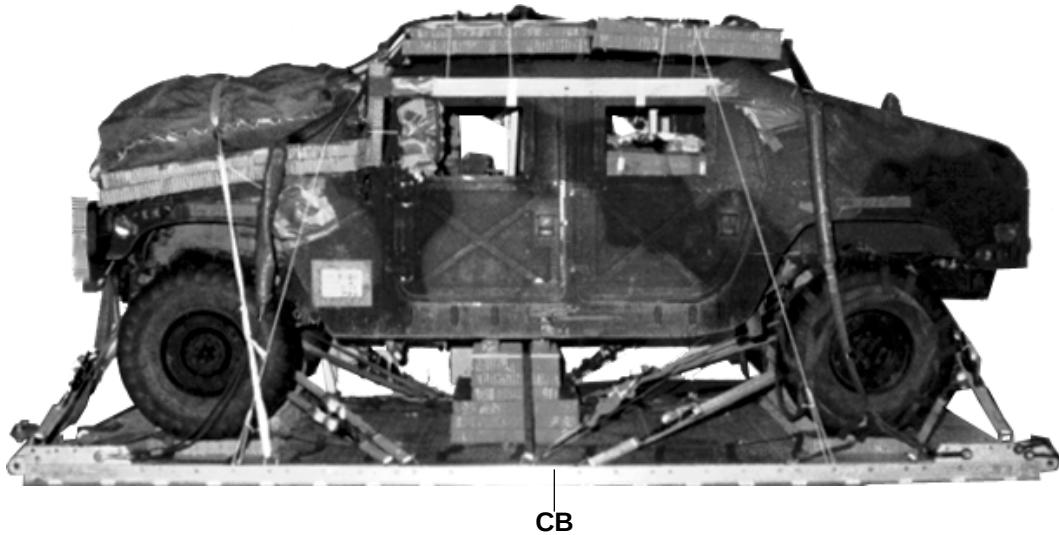
Cargo Parachutes: Two G-11B

Figure 3-78. Two-Bay Components for the Seven-Bay, Single-Story, Medium Girder (Fixed) Bridge



Figure 3-79. Mobile Over Snow Transport (MOST)

M1025 or M1026 Armanent Carrier with Technical Defense Alert Radar System (TDARS)



Reference: FM 10-543/TO 13C7-2-1011

Weight	9,650 pounds
Height	91 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	93 inches

Accompanying Load: TDRS plus one box of 105-mm ammunition rigged in back of truck weighs 845 pounds.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-80. M1025 or M1026 Armanent Carrier with Technical Defense Alert Radar System (TDARS)

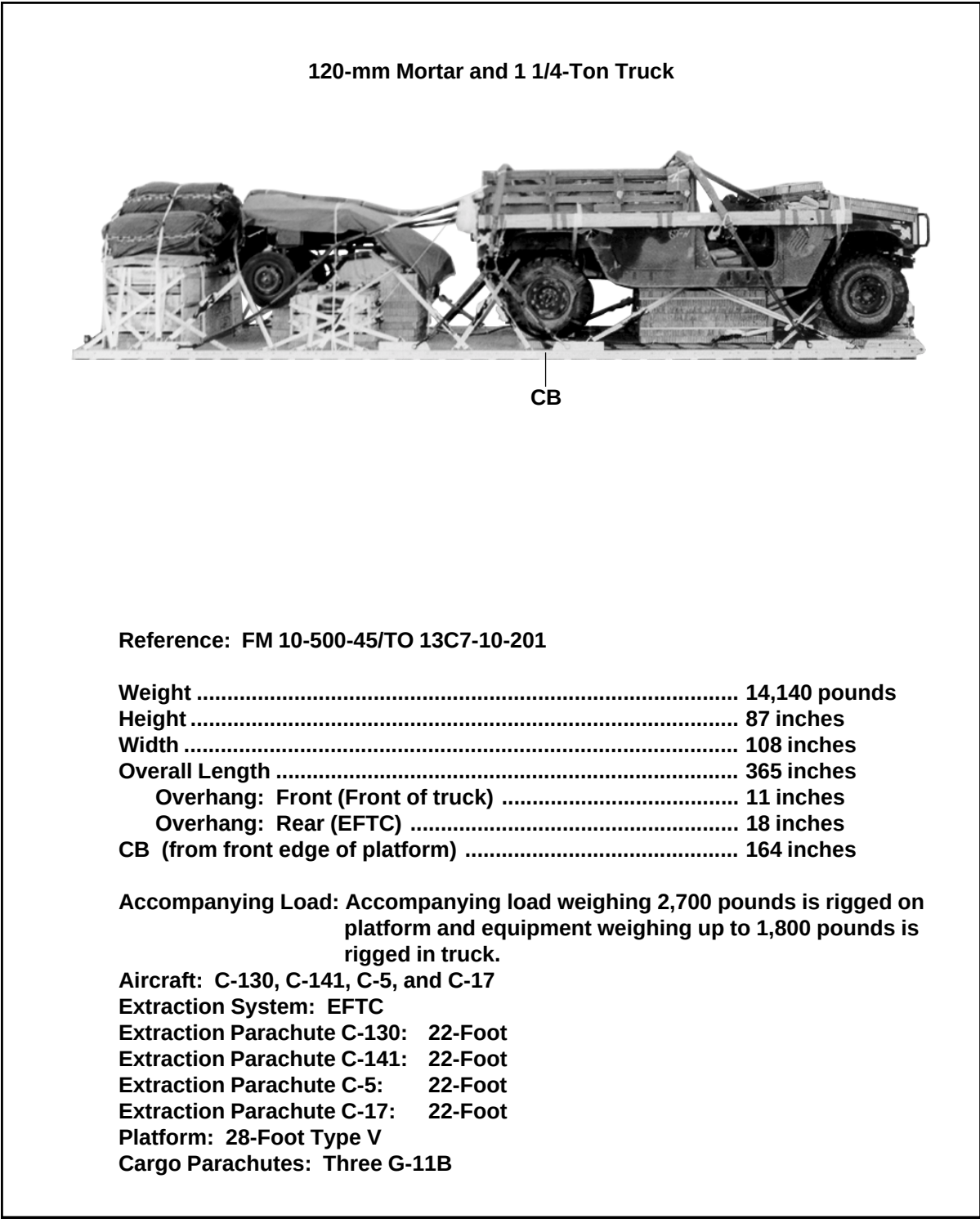
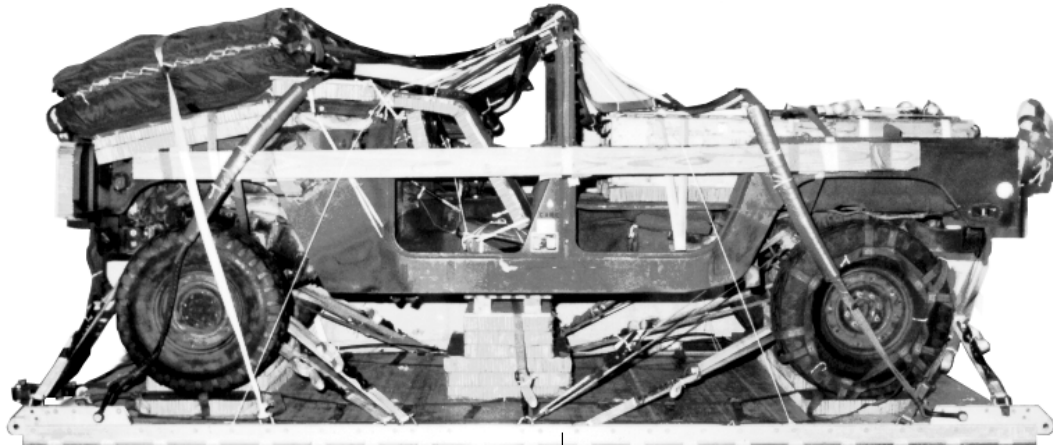


Figure 3-81. 120-mm Mortar and 1 1/4-Ton Truck

1 1/4-Ton HMMWV Truck with 120-mm Mortar



CB

Reference: FM 10-500-45/TO 13C7-10-201

Weight	9,950 pounds
Height	86 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	95 inches

Accompanying Load: Accompanying load of 120-mm mortar ammunition rigged in back of truck may not exceed 2,000 pounds.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-82. 1 1/4-Ton HMMWV Truck with 120-mm Mortar

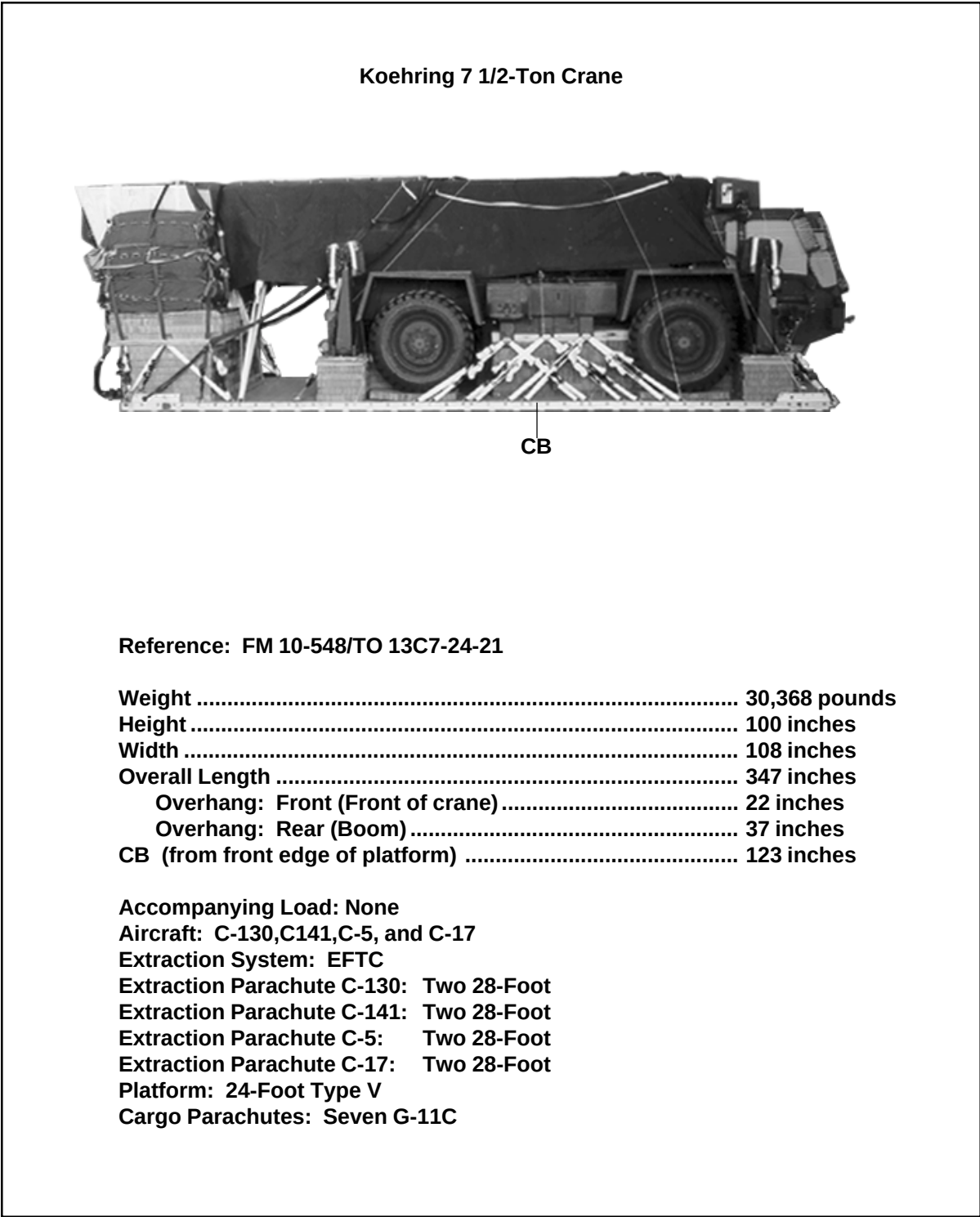
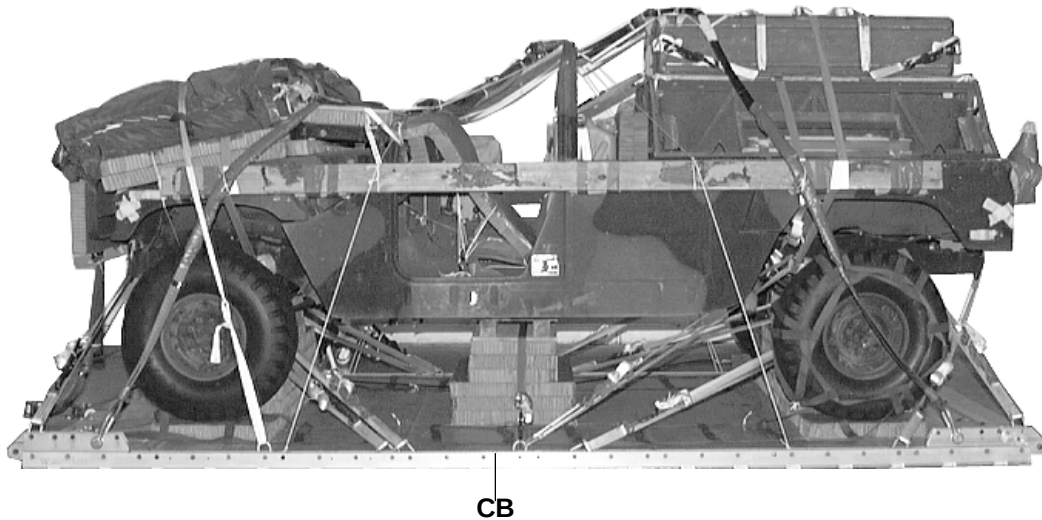


Figure 3-83. Koehring 7 1/2-Ton Crane

M998 1 1/4-Ton Truck with Six Stinger Weapon Systems



Reference: FM 10-550/TO 13C7-22-71

Weight	8,830 pounds
Height	92 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	95 inches

Accompanying Load: Accompanying load rigged in truck weighs 1,180 pounds.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

Extraction Parachute C-17: 22-Foot

Platform: 16-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-84. M998 1 1/4-Ton Truck with Six Stinger Weapon Systems

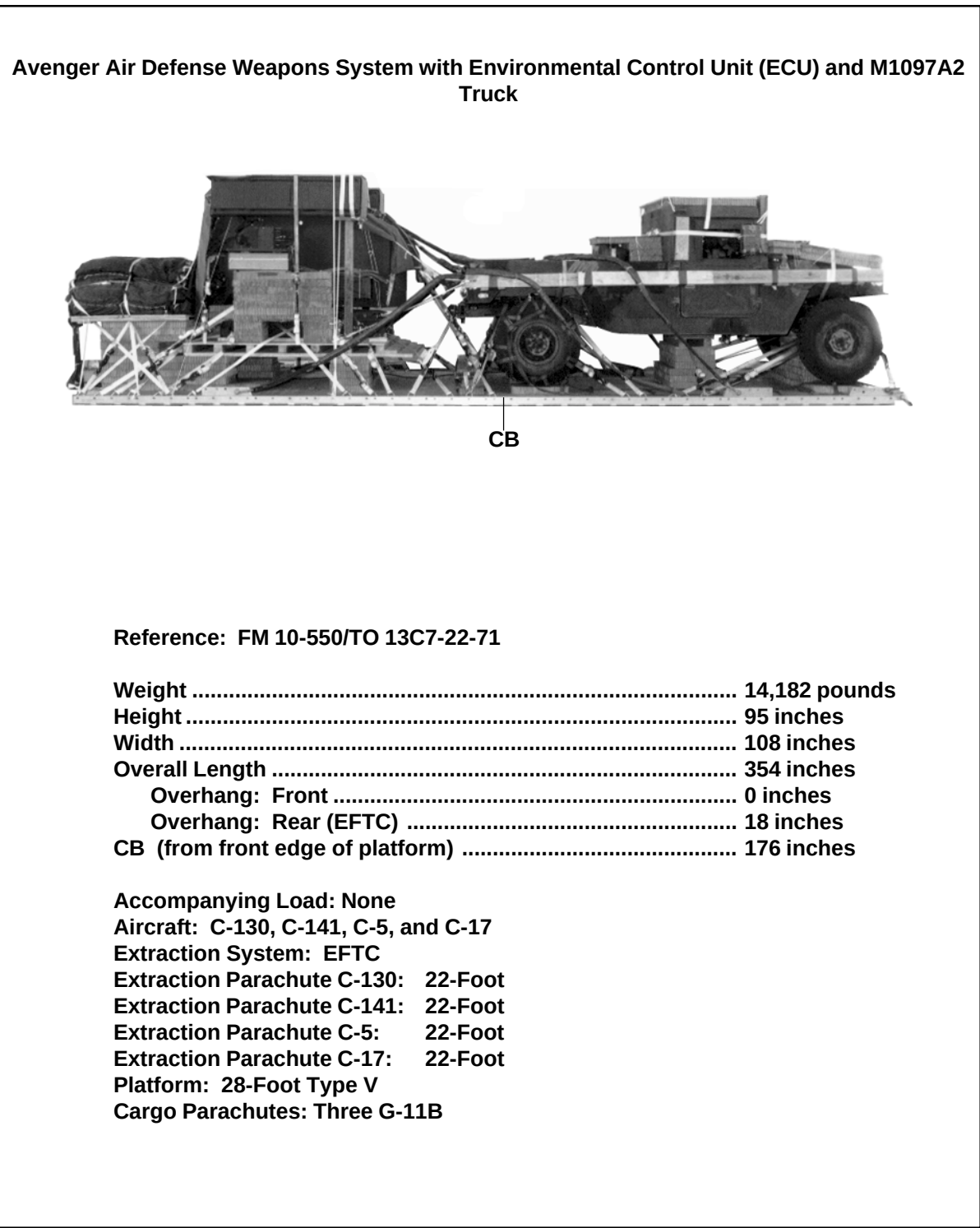
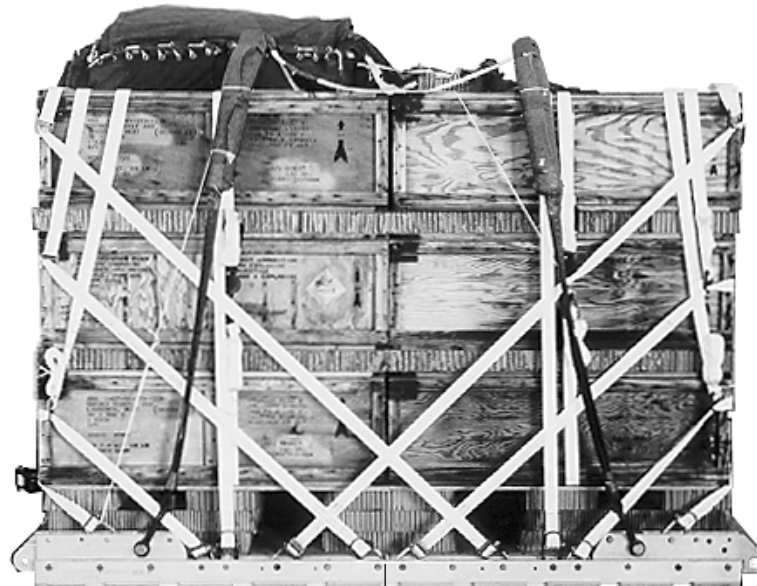


Figure 3-85. Avenger Air Defense Weapons System with Environmental Control Unit (ECU) and M1097A2 Truck

Thirty-six Dragon or Dragon II Missiles in One-Round Containers



CB

Reference: FM 10-552/TO 13C7-22-61

Weight	3,960 pounds
Height	83 inches
Width	108 inches
Overall Length	114 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	50 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 15-Foot

Extraction Parachute C-141: 15-Foot

Extraction Parachute C-5: 15-Foot

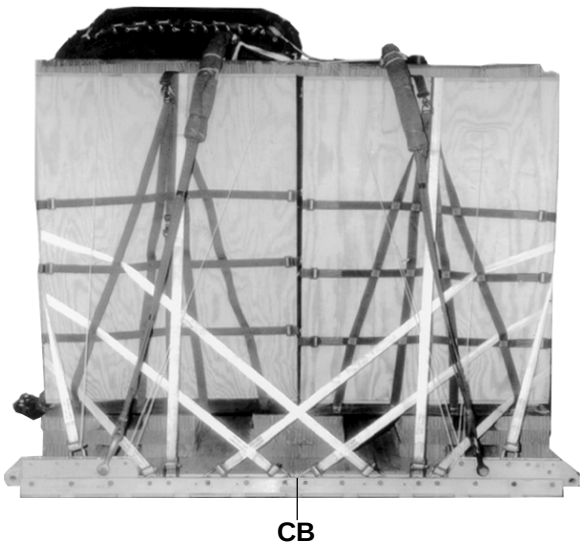
Extraction Parachute C-17: 15-Foot

Platform: 8-Foot Type V

Cargo Parachutes: One G-11B

Figure 3-86. Thirty-six Dragon or Dragon II Missiles in One-Round Containers

Four Dragon or Dragon II Missiles in 15-Round Containers



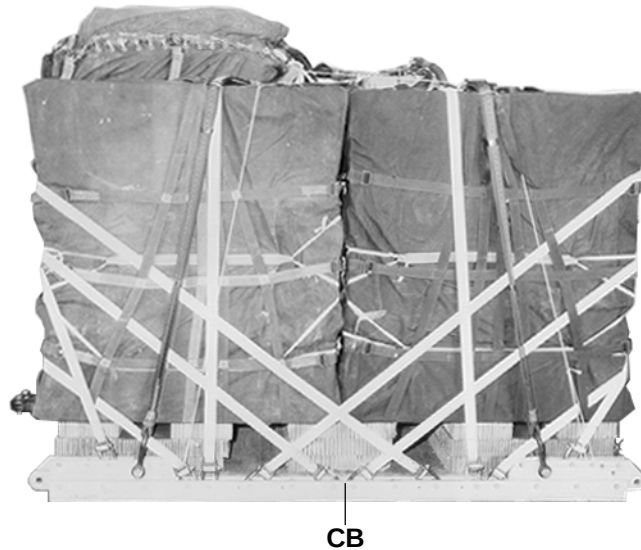
Reference: FM 10-552/TO 13C7-22-61

Weight	4,400 pounds
Height	83 inches
Width	108 inches
Overall Length	115 inches
Overhang: Front (Container)	1 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	51 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 15-Foot
Extraction Parachute C-141: 15-Foot
Extraction Parachute C-5: 15-Foot
Extraction Parachute C-17: 15-Foot
Platform: 8-Foot Type V
Cargo Parachutes: One G-11B

Figure 3-87. Four Dragon or Dragon II Missiles in 15-Round Containers

Four A-22 Cargo Bags with Dragon or Dragon II Missiles in One-Round Containers



Reference: FM 10-552/TO 13C7-22-61

Weight	4,040 pounds
Height	83 1/2 inches
Width	108 inches
Overall Length	115 inches
Overhang: Front (Container)	1 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	50 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 15-Foot

Extraction Parachute C-141: 15-Foot

Extraction Parachute C-5: 15-Foot

Extraction Parachute C-17: 15-Foot

Platform: 8-Foot Type V

Cargo Parachutes: One G-11B

Figure 3-88. Four A-22 Cargo Bags with Dragon or Dragon II Missiles in One-Round Containers

Four Dragon or Dragon II Missiles in 15-Round Containers Rigged in Four A-22 Cargo Slings



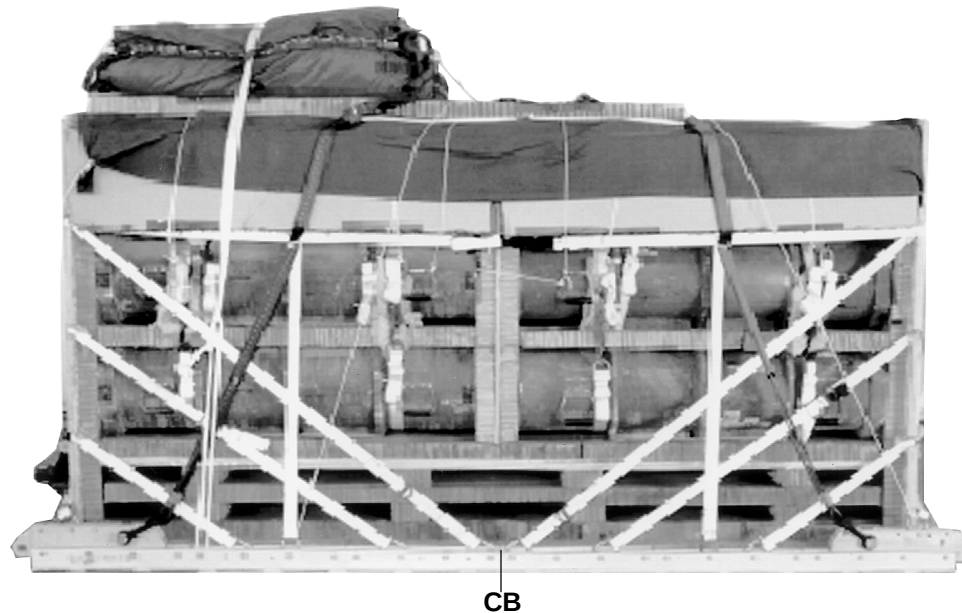
Reference: FM 10-552/TO 13C7-22-61

Weight	4,440 pounds
Height	83 inches
Width	108 inches
Overall Length	114 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	51 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 15-Foot
Extraction Parachute C-141: 15-Foot
Extraction Parachute C-5: 15-Foot
Extraction Parachute C-17: 15-Foot
Platform: 8-Foot Type V
Cargo Parachutes: One G-11B

Figure 3-89. Four Dragon or Dragon II Missiles in 15-Round Containers Rigged in Four A-22 Cargo Slings

Thirty-six Javelin Rounds as a Mass Supply Load



Reference: FM 10-552/TO 13C7-22-61

Weight	5,976 pounds
Height	86 inches
Width	108 inches
Overall Length	162 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	76 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 15-Foot

Extraction Parachute C-141: 15-Foot

Extraction Parachute C-5: 15-Foot

Extraction Parachute C-17: 15-Foot

Platform: 12-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-92. Thirty-six Javelin Rounds as a Mass Supply Load

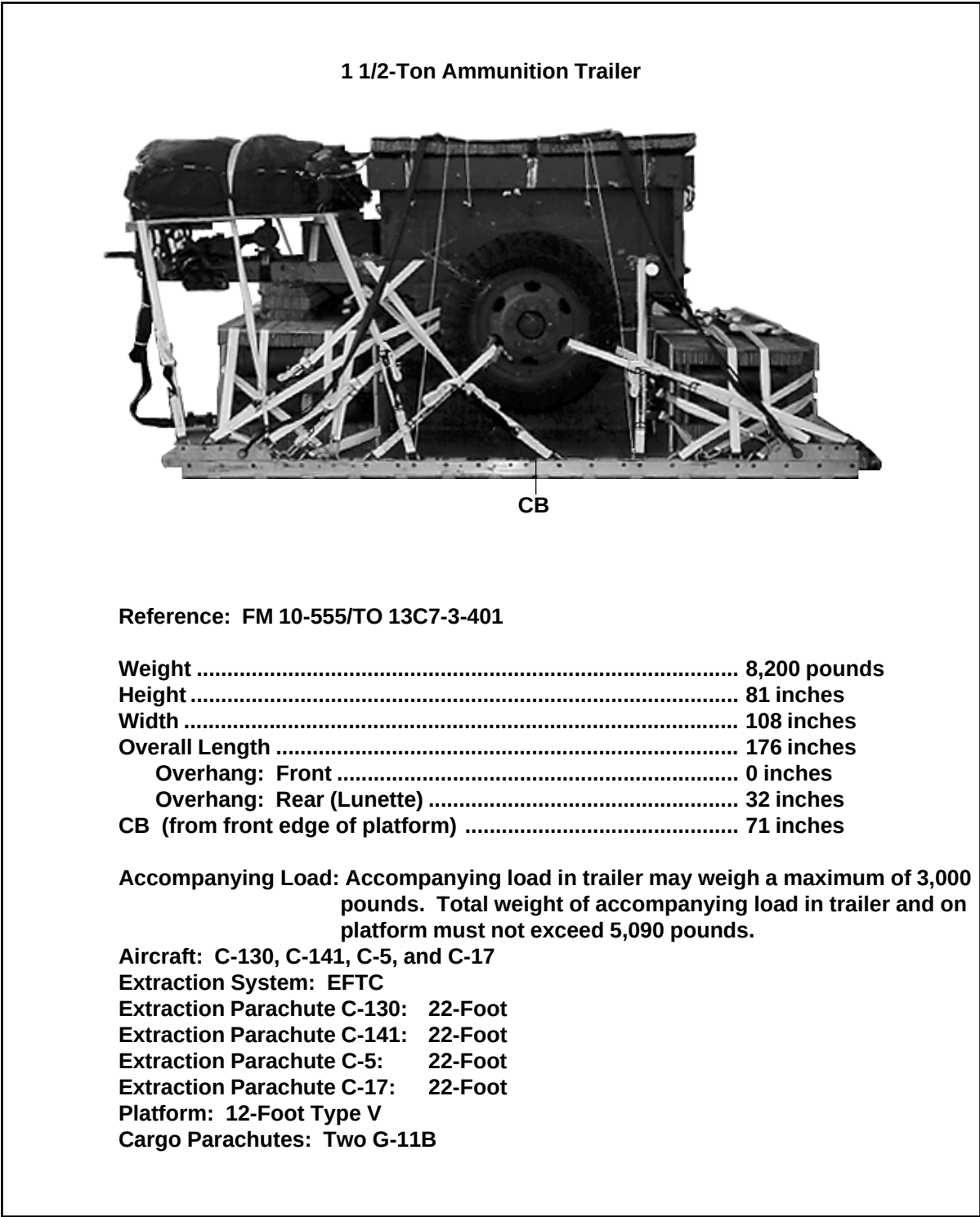
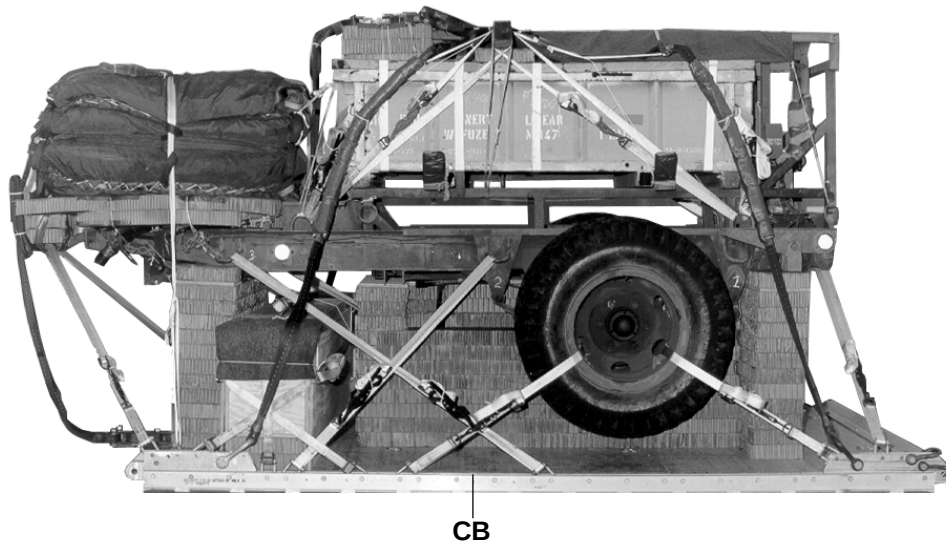


Figure 3-91. 1 1/2-Ton Ammunition Trailer

Mine Clearing Line Charge (MICLIC) on 2 1/2-Ton Trailer



Reference: FM 10-555/TO 13C7-3-401

Weight	8,400 pounds
Height	94 1/2 inches
Width	108 inches
Overall Length	178 inches
Overhang: Front	0 inches
Overhang: Rear (Lunette)	34 inches
CB (from front edge of platform)	77 inches

Accompanying Load: Rocket projectile weighing 270 pounds is rigged on platform.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

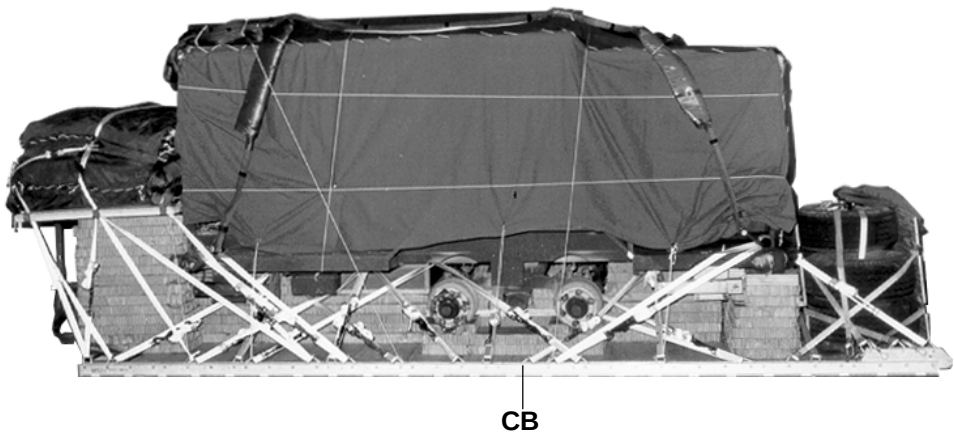
Extraction Parachute C-17: 22-Foot

Platform: 12-Foot Type V

Cargo Parachutes: Two G-11B

Figure 3-92. Mine Clearing Line Charge (MICLIC) on 2 1/2-Ton Trailer

600-GPH Reverse Osmosis Water Purification Unit (ROWPU)



Reference: FM 10-558/TO 13C7-7-61

Weight	21,780 pounds
Height	101 inches
Width	108 inches
Overall Length	275 inches
Overhang: Front	0 inches
Overhang: Rear (Drawbar)	35 inches
CB (from front edge of platform)	130 inches

Accompanying Load: None
Aircraft: C-130,C141,C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 28-Foot
Extraction Parachute C-141: 28-Foot
Extraction Parachute C-5: 28-Foot
Extraction Parachute C-17: 28-Foot
Platform: 20-Foot Type V
Cargo Parachutes: Five G-11C

Figure 3-93. 600-GPH Reverse Osmosis Water Purification Unit (ROWPU)

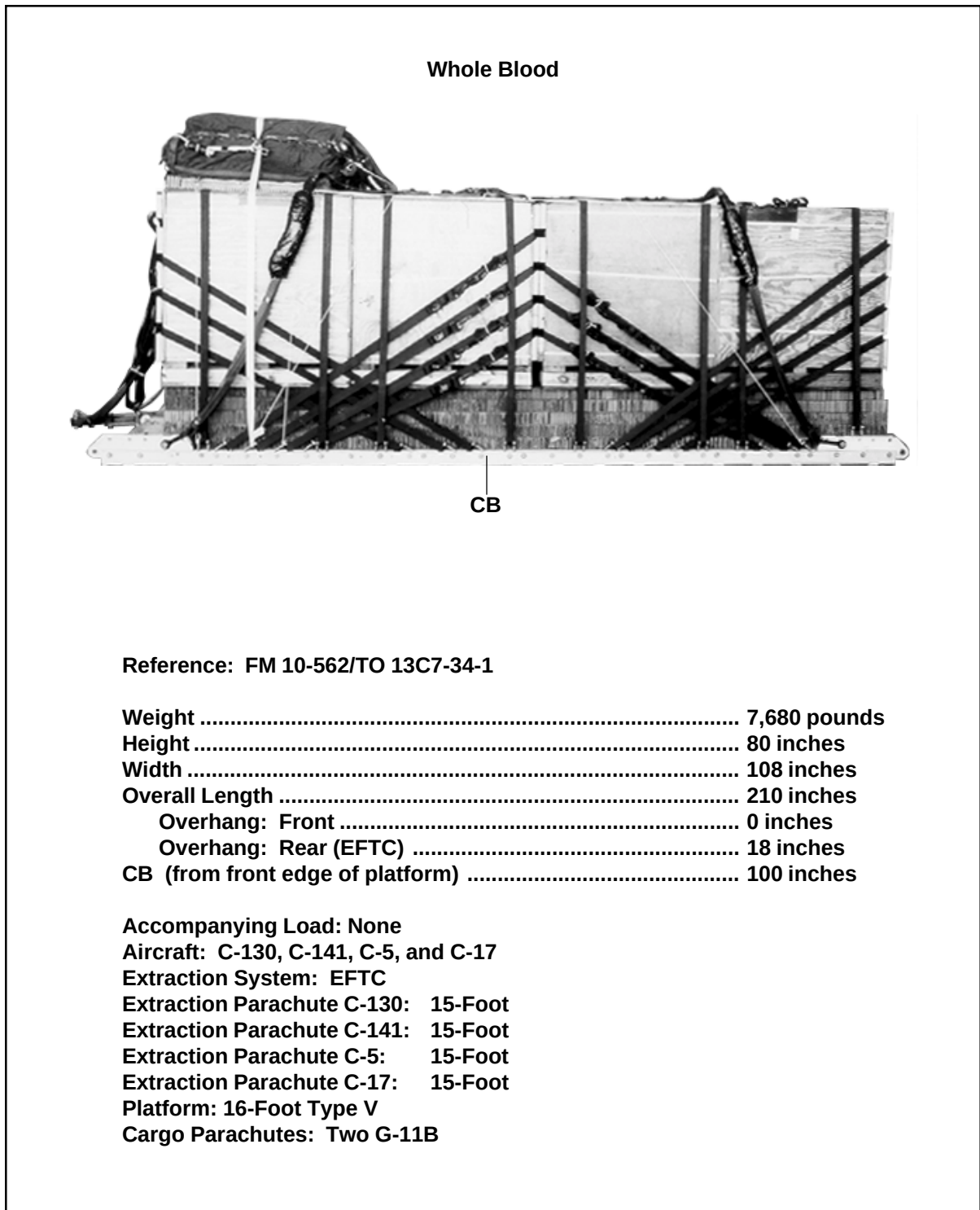
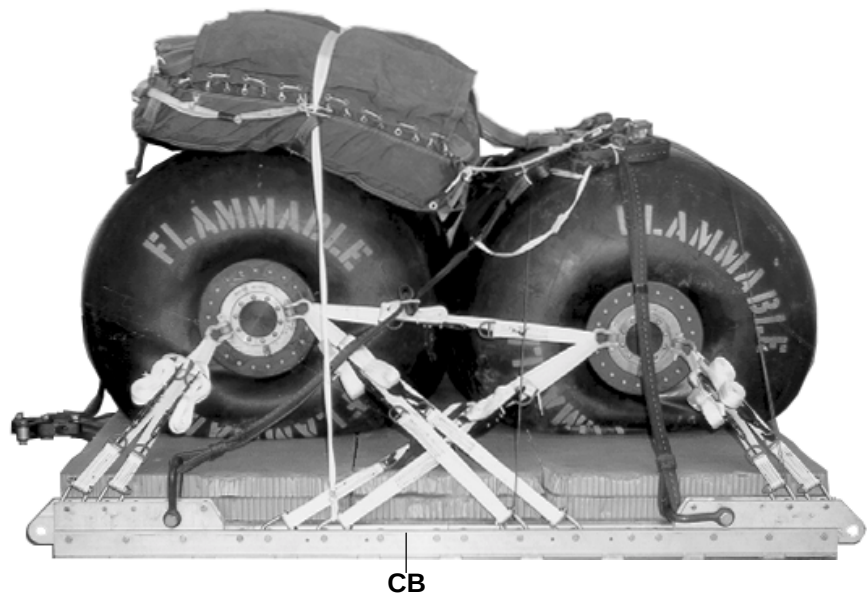


Figure 3-94. Whole Blood

Two Drums without Pumping Assembly



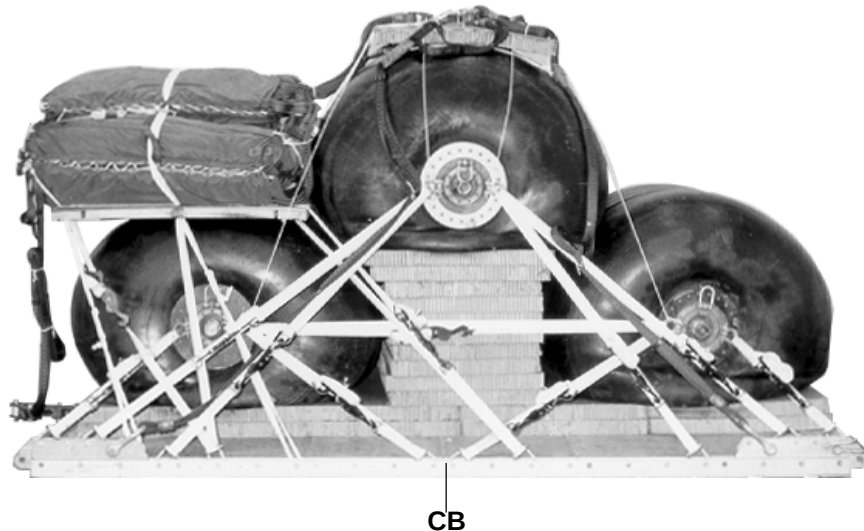
Reference: FM 10-564/TO 13C7-37-1

Weight	7,320 pounds
Height	70 inches
Width	108 inches
Overall Length	114 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	54 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 15-Foot
Extraction Parachute C-141: 15-Foot
Extraction Parachute C-5: 15-Foot
Extraction Parachute C-17: 15-Foot
Platform: 8-Foot Type V
Cargo Parachutes: Two G-11B

Figure 3-95. Two Drums without Pumping Assembly

Three Drums without Pumping Assembly



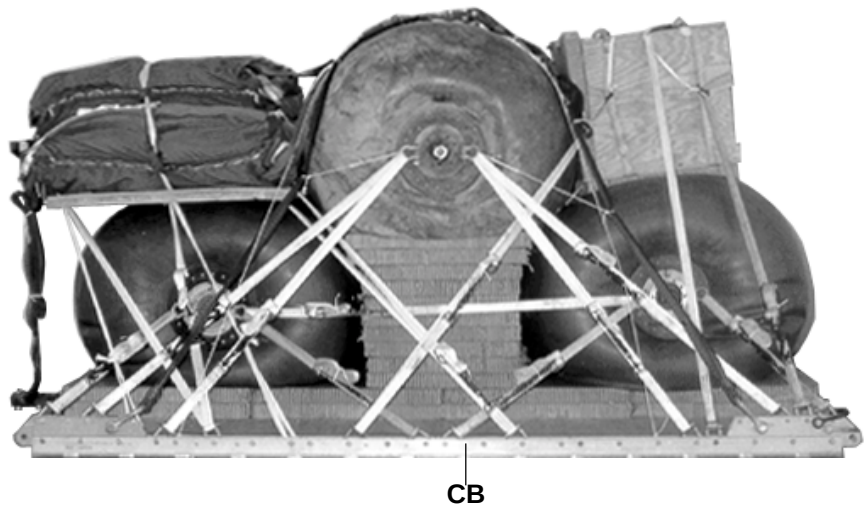
Reference: FM 10-564/TO 13C7-37-1

Weight	10,960 pounds
Height	86 1/2 inches
Width	108 inches
Overall Length	162 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	75 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 22-Foot
 Extraction Parachute C-141: 22-Foot
 Extraction Parachute C-5: 22-Foot
 Extraction Parachute C-17: 22-Foot
 Platform: 12-Foot Type V
 Cargo Parachutes: Three G-11B

Figure 3-96. Three Drums without Pumping Assembly

Three Drums with Pumping Assembly



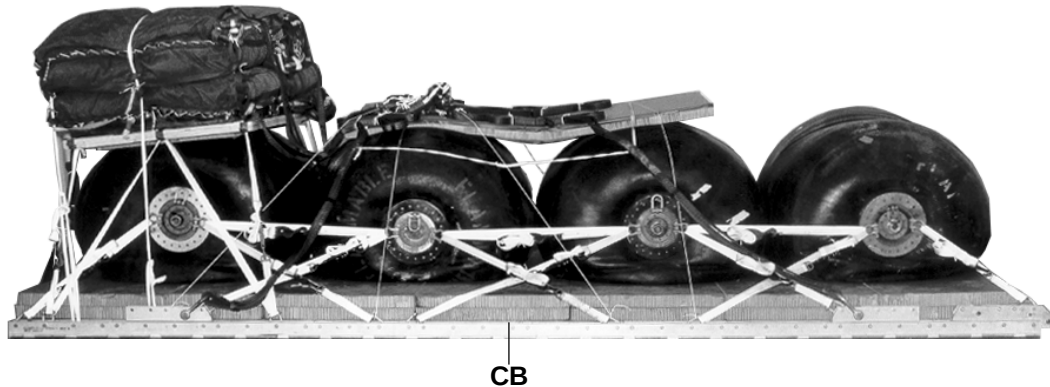
Reference: FM 10-564/TO 13C7-37-1

Weight	11,200 pounds
Height	86 1/2 inches
Width	108 inches
Overall Length	162 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	74 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 22-Foot
Extraction Parachute C-141: 22-Foot
Extraction Parachute C-5: 22-Foot
Extraction Parachute C-17: 22-Foot
Platform: 12-Foot Type V
Cargo Parachutes: Three G-11B

Figure 3-97. Three Drums with Pumping Assembly

Four Drums without Pumping Assembly



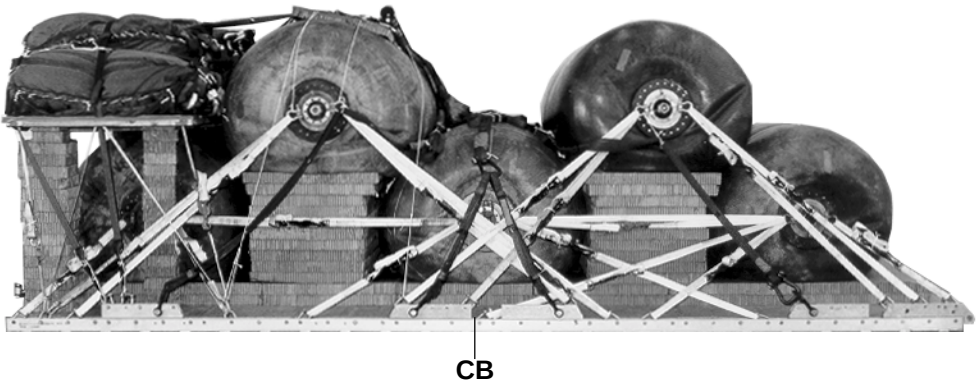
Reference: FM 10-564/TO 13C7-37-1

Weight	14,426 pounds
Height	90 1/2 inches
Width	108 inches
Overall Length	258 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	125 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 22-Foot
 Extraction Parachute C-141: 22-Foot
 Extraction Parachute C-5: 22-Foot
 Extraction Parachute C-17: 22-Foot
 Platform: 20-Foot Type V
 Cargo Parachutes: Four G-11B

Figure 3-98. Four Drums without Pumping Assembly

Five Drums without Pumping Assembly



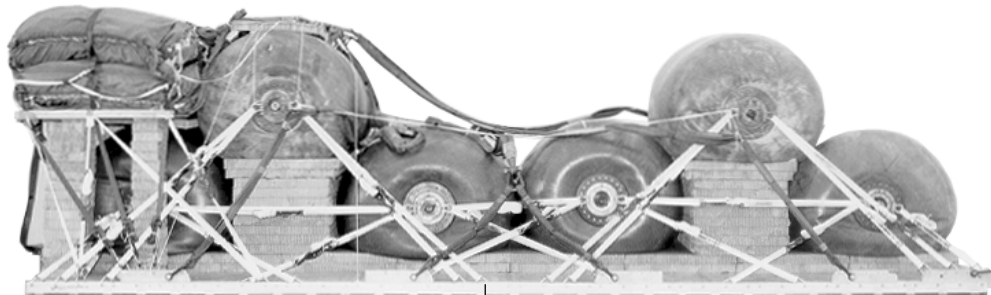
Reference: FM 10-564/TO 13C7-37-1

Weight	18,492 pounds
Height	84 3/4 inches
Width	108 inches
Overall Length	258 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	126 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 28-Foot
Extraction Parachute C-141: 28-Foot
Extraction Parachute C-5: 28-Foot
Extraction Parachute C-17: 28-Foot
Platform: 20-Foot Type V
Cargo Parachutes: Five G-11C

Figure 3-99. Five Drums without Pumping Assembly

Six Drums without Pumping Assembly



CB

Reference: FM 10-564/TO 13C7-37-1

Weight	22,158 pounds
Height	85 inches
Width	108 inches
Overall Length	306 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	153 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 28-Foot
 Extraction Parachute C-141: 28-Foot
 Extraction Parachute C-5: 28-Foot
 Extraction Parachute C-17: 28-Foot
 Platform: 24-Foot Type V
 Cargo Parachutes: Six G-11C

Figure 3-100. Six Drums without Pumping Assembly

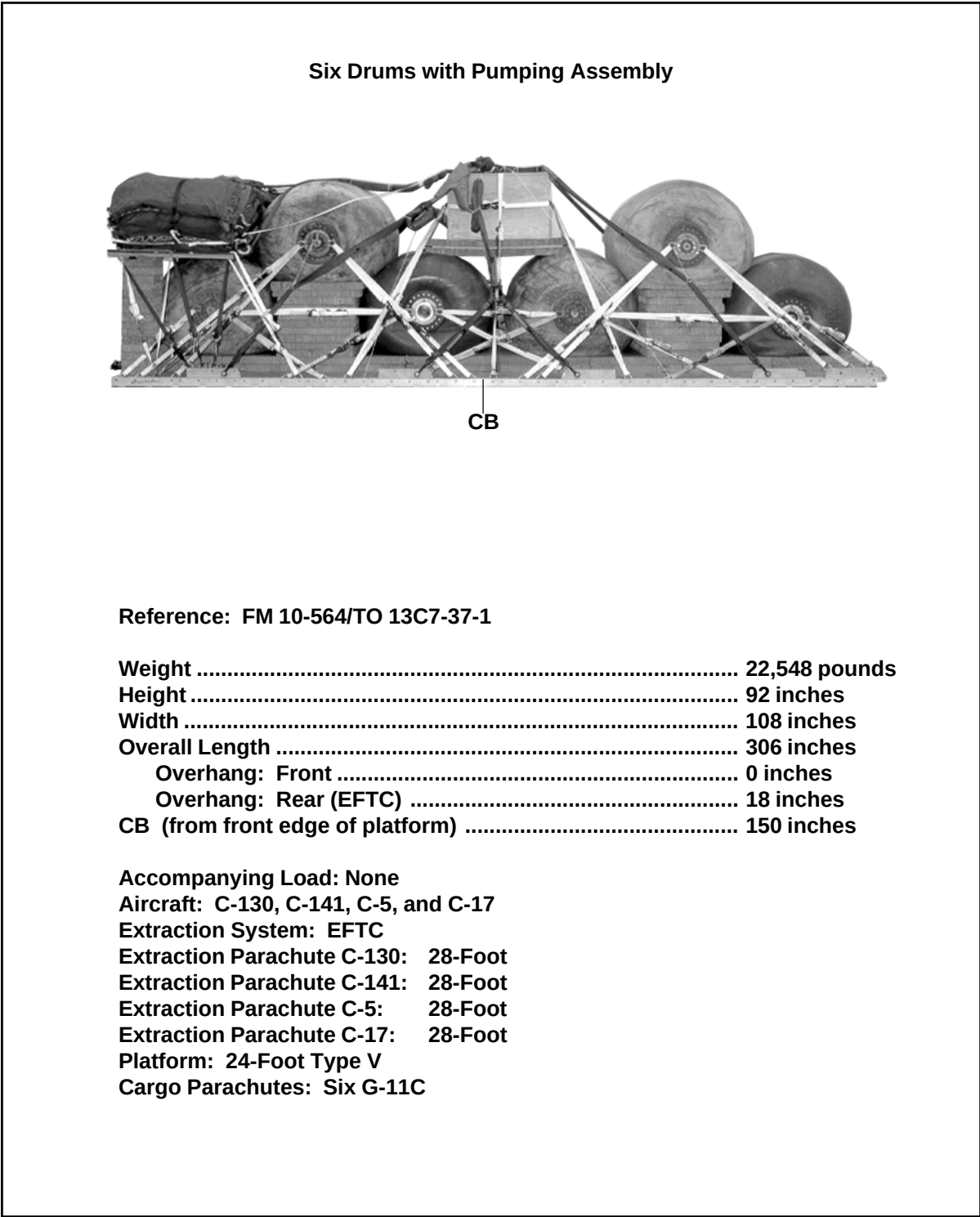
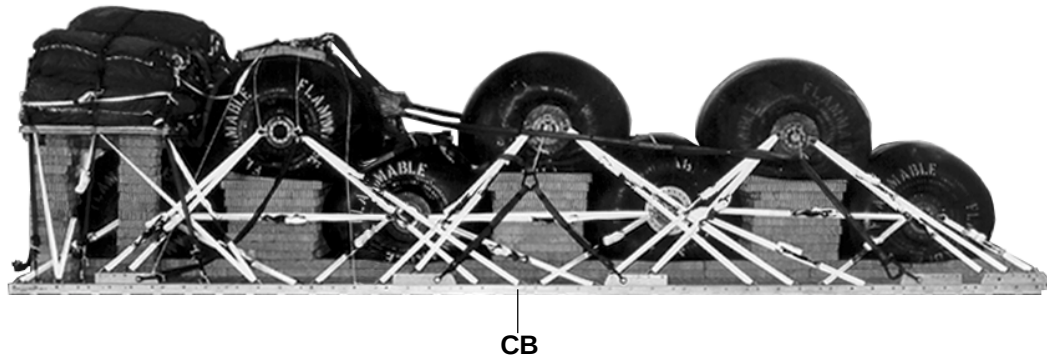


Figure 3-101. Six Drums with Pumping Assembly

Seven Drums without Pumping Assembly



Reference: FM 10-564/TO 13C7-37-1

Weight	24,781 pounds
Height	90 inches
Width	108 inches
Overall Length	354 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	176 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 28-Foot

Extraction Parachute C-141: 28-Foot

Extraction Parachute C-5: 28-Foot

Extraction Parachute C-17: 28-Foot

Platform: 28-Foot Type V

Cargo Parachutes: Seven G-11C

Figure 3-102. Seven Drums without Pumping Assembly

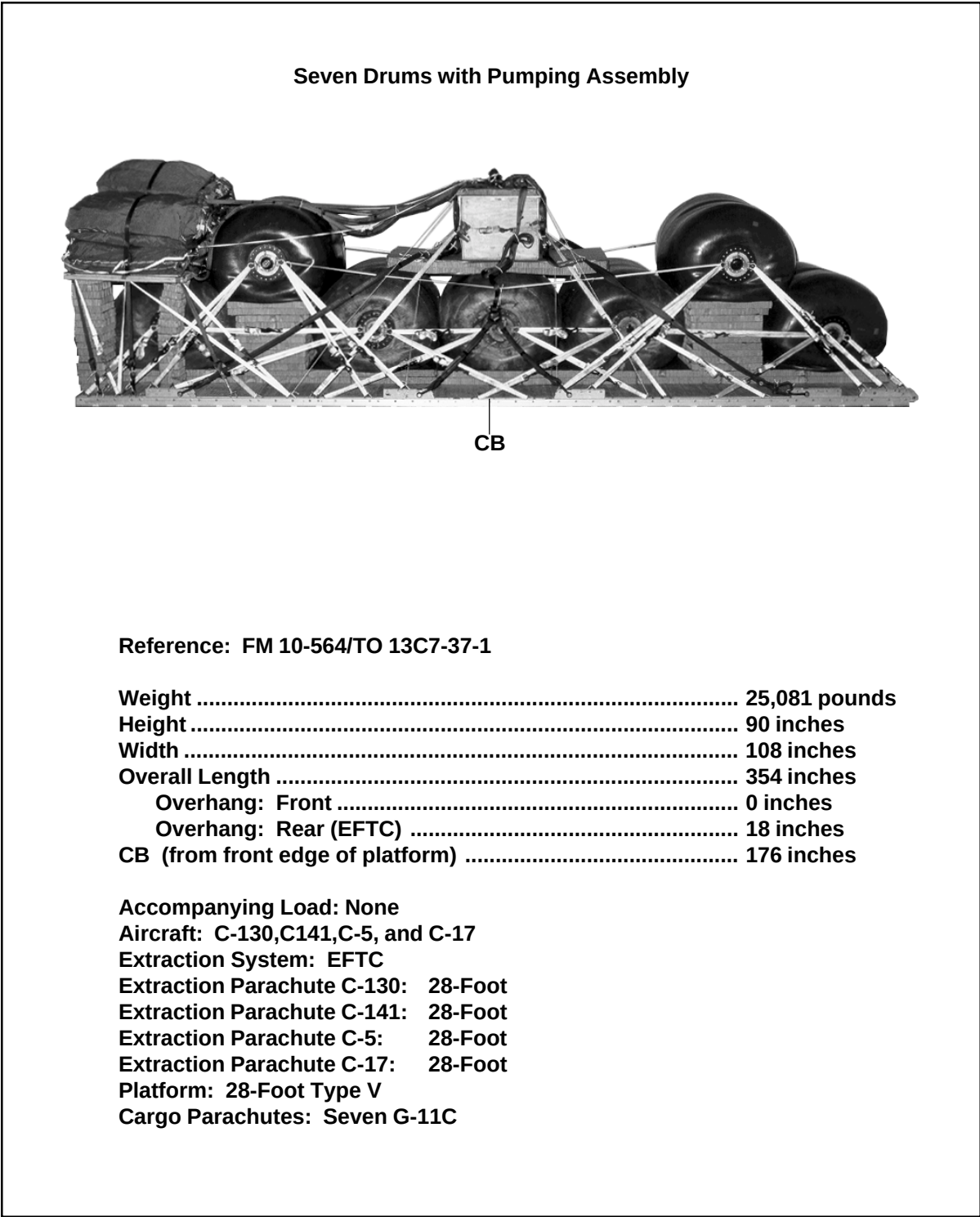
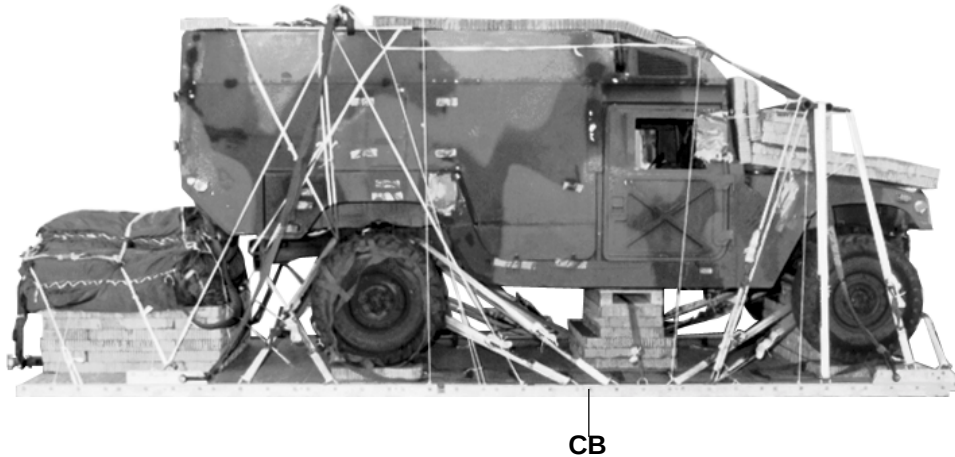


Figure 3-103. Seven Drums with Pumping Assembly

M996 2-Litter Armored Ambulance



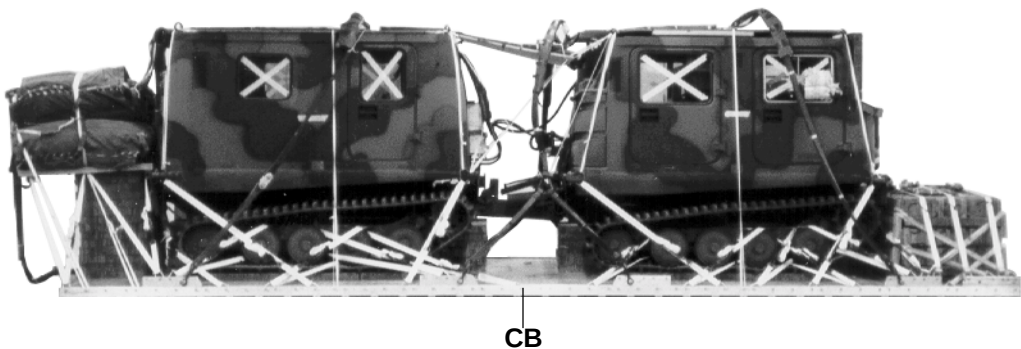
Reference: FM 10-500-66/TO 13C7-25-71

Weight	11,680 pounds
Height	100 inches
Width	108 inches
Overall Length	258 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	110 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 22-Foot
 Extraction Parachute C-141: 22-Foot
 Extraction Parachute C-5: 22-Foot
 Extraction Parachute C-17: 22-Foot
 Platform: 20-Foot Type V
 Cargo Parachutes: Three G-11B

Figure 3-104. M996 2-Litter Armored Ambulance

M973A 1 1/2-Ton Cargo Carrier Small Unit Support Vehicle (SUSV)



Reference: FM 10-567/TO 13C7-16-171

Weight	16,500 pounds
Height	97 inches
Width	108 inches
Overall Length	354 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	155 inches

Accompanying Load: Accompanying load must weigh at least 2,000 pounds and no more than 2,100 pounds.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 22-Foot

Extraction Parachute C-141: 22-Foot

Extraction Parachute C-5: 22-Foot

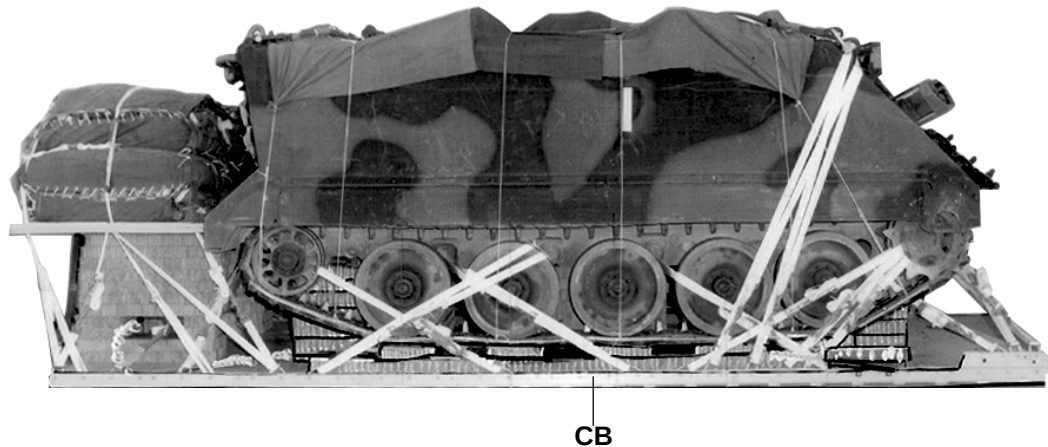
Extraction Parachute C-17: 22-Foot

Platform: 28-Foot Type V

Cargo Parachutes: Four G-11B

Figure 3-105. M973A 1 1/2-Ton Cargo Carrier Small Unit Support Vehicle (SUSV)

M113 Armored Personnel Carrier



Reference: FM 10-567/TO 13C7-16-171

Weight	24,300 pounds
Height	97 inches
Width	108 inches
Overall Length	258 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	110 inches

Accompanying Load: Maximum accompanying load rigged in vehicle weighs 1,890 pounds.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 28-Foot

Extraction Parachute C-141: 28-Foot

Extraction Parachute C-5: 28-Foot

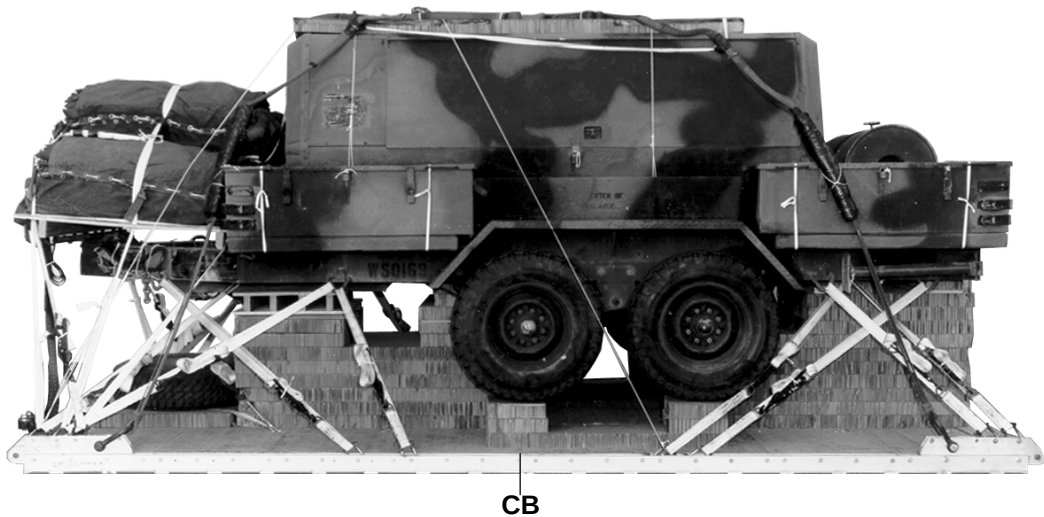
Extraction Parachute C-17: 28-Foot

Platform: 20-Foot Type V

Cargo Parachutes: Five G-11C

Figure 3-106. M113 Armored Personnel Carrier

Ingersol-Rand Model 250-CFM Trailer-Mounted Air Compressor



Reference: FM 10-569/TO 13C7-15-61

Weight	10,100 pounds
Height	96 inches
Width	108 inches
Overall Length	210 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	94 1/2 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 22-Foot
Extraction Parachute C-141: 22-Foot
Extraction Parachute C-5: 22-Foot
Extraction Parachute C-17: 22-Foot
Platform: 16-Foot Type V
Cargo Parachutes: Three G-11B

Figure 3-107. Ingersol-Rand Model 250-CFM Trailer-Mounted Air Compressor

M1081 2 1/2-Ton Cargo Truck



CB

Reference: FM 10-500-71/TO 13C7-6-141

Weight	23,181 pounds
Height	93 inches
Width	108 inches
Overall Length	315 inches
Overhang: Front	0 inches
Overhang: Rear (Cargo Parachutes)	27 inches
CB (from front edge of platform)	135 inches

Accompanying Load: Basic load rigged in bed of truck.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 28-Foot

Extraction Parachute C-141: 28-Foot

Extraction Parachute C-5: 28-Foot

Extraction Parachute C-17: 28-Foot

Platform: 24-Foot Type V

Cargo Parachutes: Five G-11C

Figure 3-108. M1081 2 1/2-Ton Cargo Truck

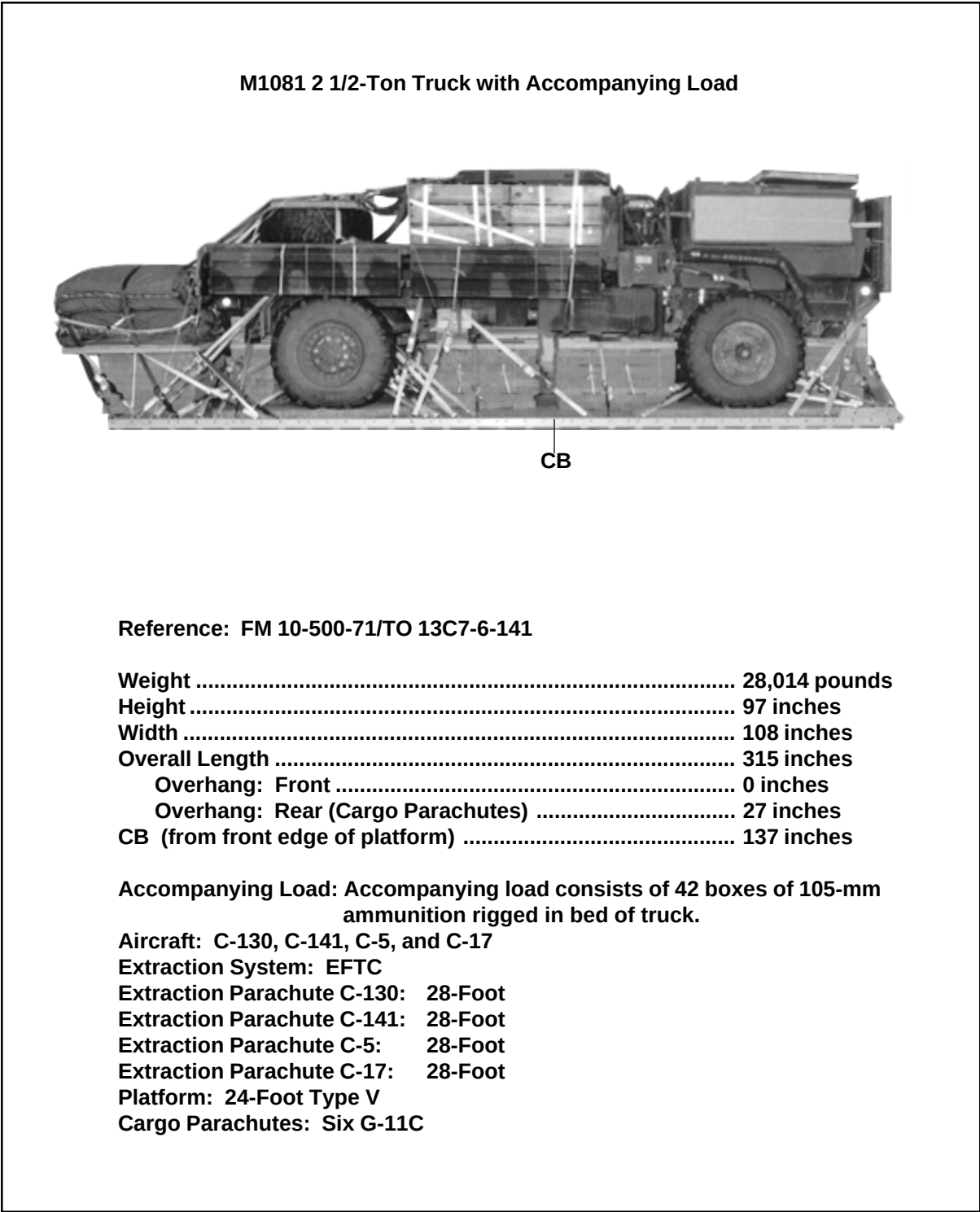


Figure 3-109. M1081 2 1/2-Ton Truck with Accompanying Load

M1093 5-Ton 6x6 Standard Cargo Truck

CB

Reference: FM 10-500-71/TO 13C7-6-141

Weight	27,318 pounds
Height	100 inches
Width	108 inches
Overall Length	354 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	150 inches

Accompanying Load: Basic load rigged in bed of truck.

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: 28-Foot

Extraction Parachute C-141: 28-Foot

Extraction Parachute C-5: 28-Foot

Extraction Parachute C-17: 28-Foot

Platform: 28-Foot Type V

Cargo Parachutes: Six G-11C

Figure 3-110. M1093 5-Ton 6x6 Standard Cargo Truck

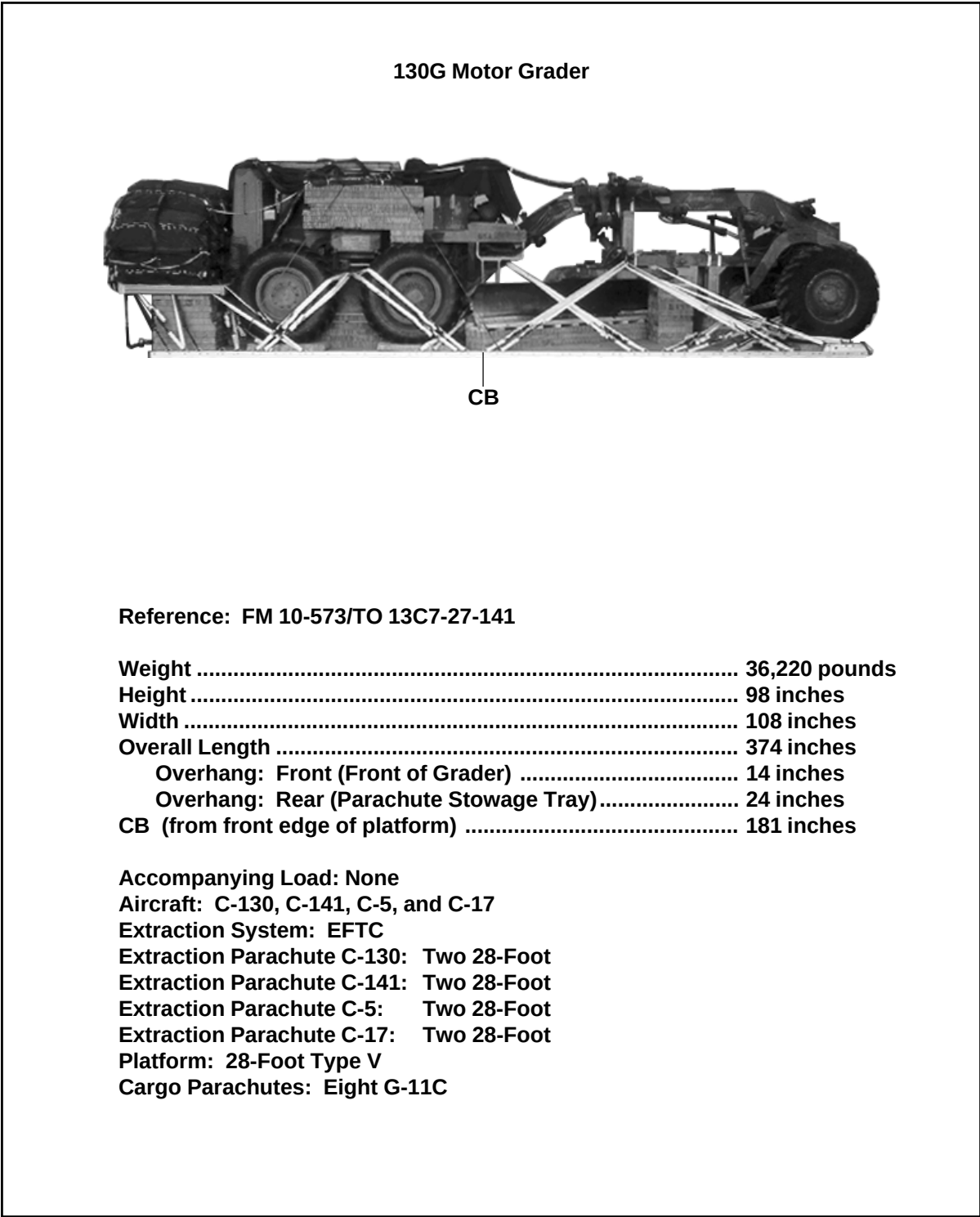
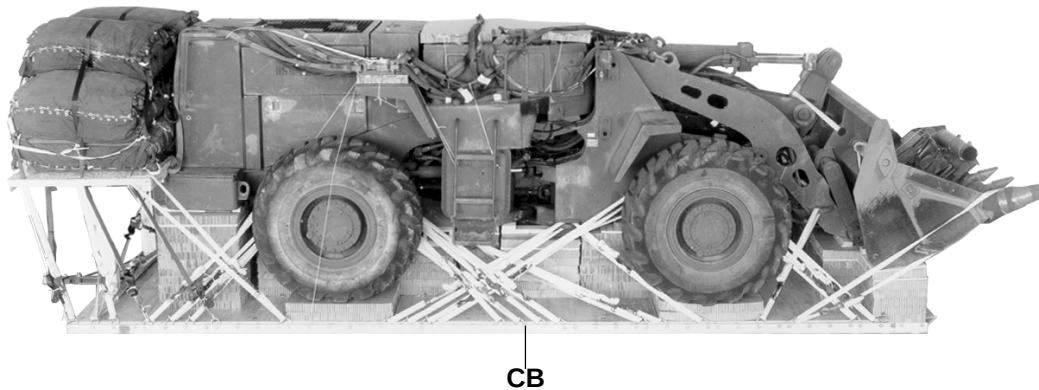


Figure 3-111. 130G Motor Grader

950B Scoop-Loader

Reference: FM 10-574/TO 13C7-31-31

Weight	37,200 pounds
Height	100 inches
Width	108 inches
Overall Length	336 inches
Overhang: Front (Front of bucket)	27 inches
Overhang: Rear (Parachute Stowage Tray)	21 inches
CB (from front edge of platform)	135 inches

Accompanying Load: None

Aircraft: C-130, C-141, C-5, and C-17

Extraction System: EFTC

Extraction Parachute C-130: Two 28-Foot

Extraction Parachute C-141: Two 28-Foot

Extraction Parachute C-5: Two 28-Foot

Extraction Parachute C-17: Two 28-Foot

Platform: 24-Foot Type V

Cargo Parachutes: Eight G-11C

Figure 3-112. 950B Scoop-Loader

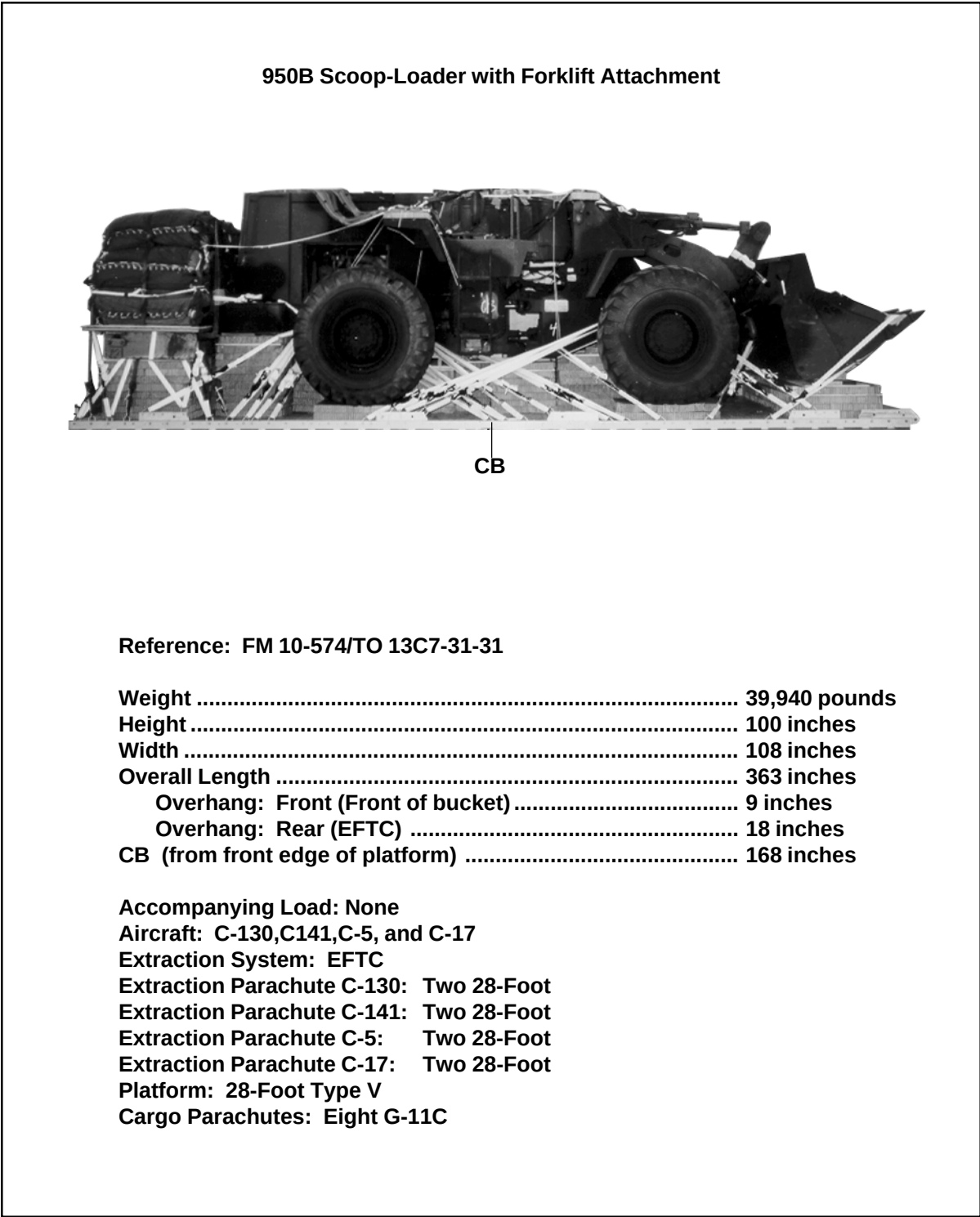
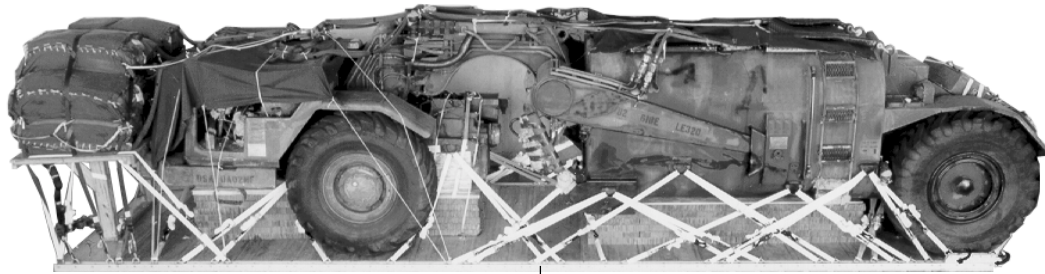


Figure 3-113. 950B Scoop-Loader with Forklift Attachment

613WD Water Distributor



CB

Reference: FM 10-575/TO 13C7-17-11

Weight	37,350 pounds
Height	100 inches
Width	108 inches
Overall Length	438 inches
Overhang: Front (Rear of vehicle)	36 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	177 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: Two 28-Foot
 Extraction Parachute C-141: Two 28-Foot
 Extraction Parachute C-5: Two 28-Foot
 Extraction Parachute C-17: Two 28-Foot
 Platform: 32-Foot Type V
 Cargo Parachutes: Eight G-11C

Figure 3-114. 613WD Water Distributor

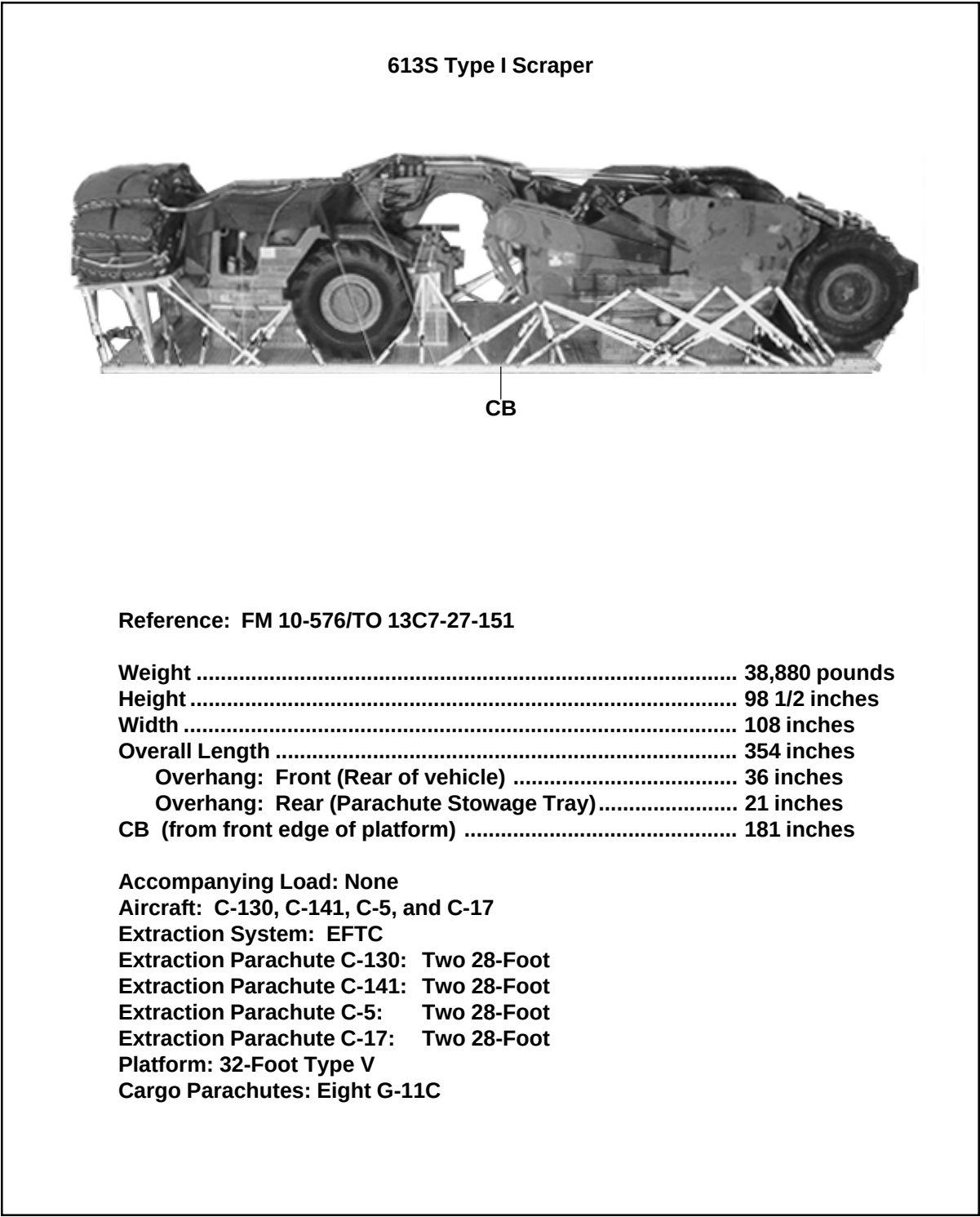
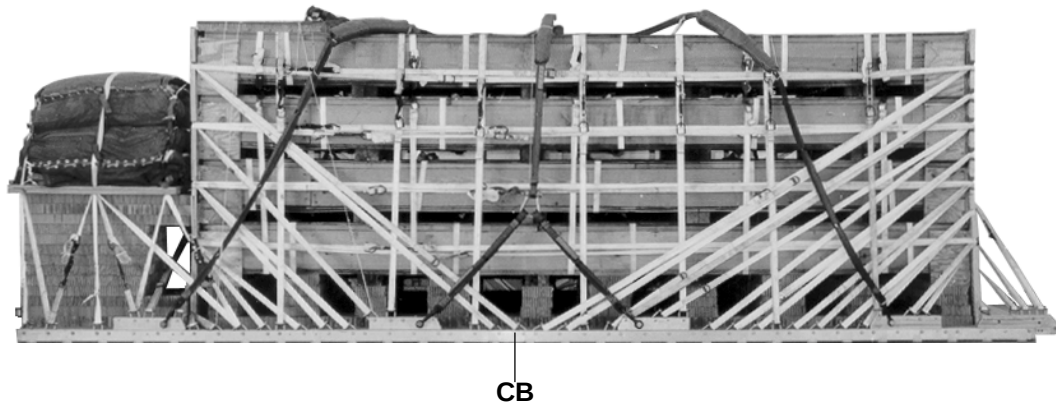


Figure 3-115. 613S Type I Scraper

Rapid Runway Repair (RRR) Kit on 24-Foot Platform



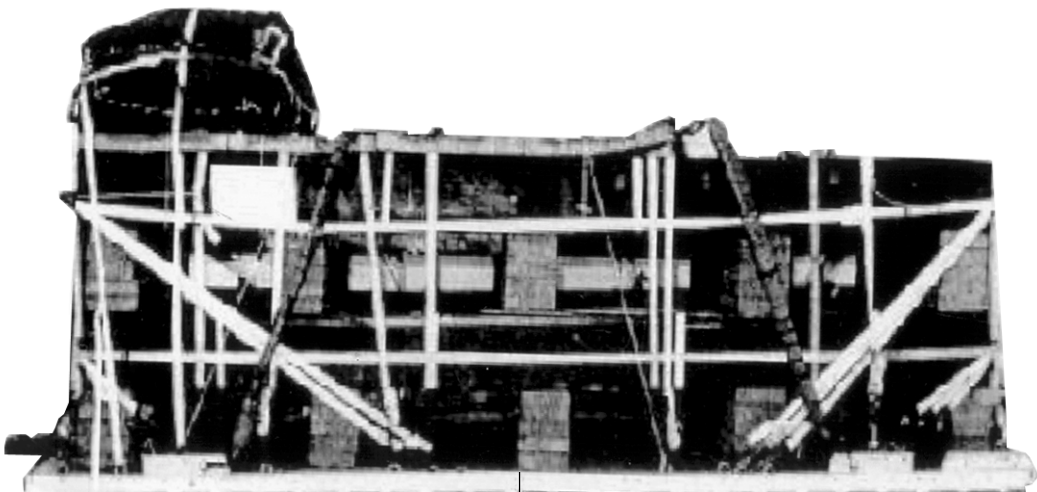
Reference: FM 10-579/TO 13C7-50-1

Weight	24,360 pounds
Height	90 inches
Width	108 inches
Overall Length	306 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	136 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 28-Foot
 Extraction Parachute C-141: 28-Foot
 Extraction Parachute C-5: 28-Foot
 Extraction Parachute C-17: 28-Foot
 Platform: 24-Foot Type V
 Cargo Parachutes: Five G-11C

Figure 3-116. Rapid Runway Repair (RRR) Kit on 24-Foot Platform

Rapid Runway Repair (RRR) Kit on 20-Foot Platform



CB

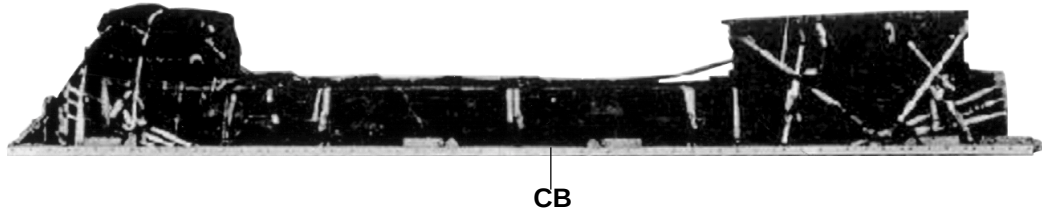
Reference: FM 10-579/TO 13C7-50-1

Weight	14,080 pounds
Height	67 inches
Width	108 inches
Overall Length	258 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	124 inches

Accompanying Load: None
Aircraft: C-130, C-141, C-5, and C-17
Extraction System: EFTC
Extraction Parachute C-130: 22-Foot
Extraction Parachute C-141: 22-Foot
Extraction Parachute C-5: 22-Foot
Extraction Parachute C-17: 22-Foot
Platform: 20-Foot Type V
Cargo Parachutes: Three G-11B

Figure 3-117. Rapid Runway Repair (RRR) Kit on 20-Foot Platform

Rapid Runway Repair (RRR) Kit-ALPHA



Reference: FM 10-579/TO 13C7-50-1

Weight	13,260 pounds
Height	59 1/2 inches
Width	108 inches
Overall Length	402 inches
Overhang: Front	0 inches
Overhang: Rear (EFTC)	18 inches
CB (from front edge of platform)	189 inches

Accompanying Load: None
 Aircraft: C-130, C-141, C-5, and C-17
 Extraction System: EFTC
 Extraction Parachute C-130: 22-Foot
 Extraction Parachute C-141: 22-Foot
 Extraction Parachute C-5: 22-Foot
 Extraction Parachute C-17: 22-Foot
 Platform: 32-Foot Type V
 Cargo Parachutes: Three G-11B

Figure 3-118. Rapid Runway Repair (RRR) Kit-ALPHA

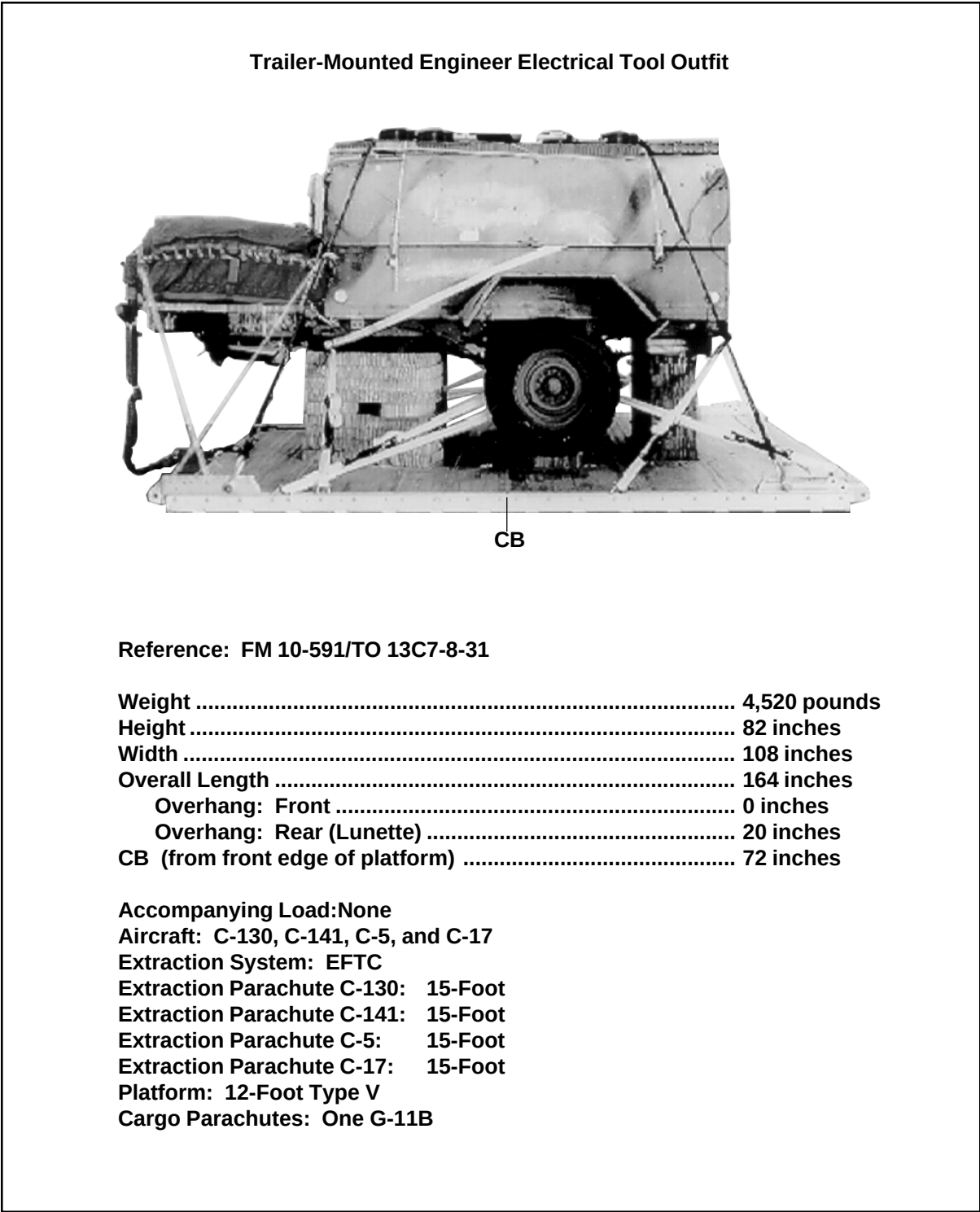
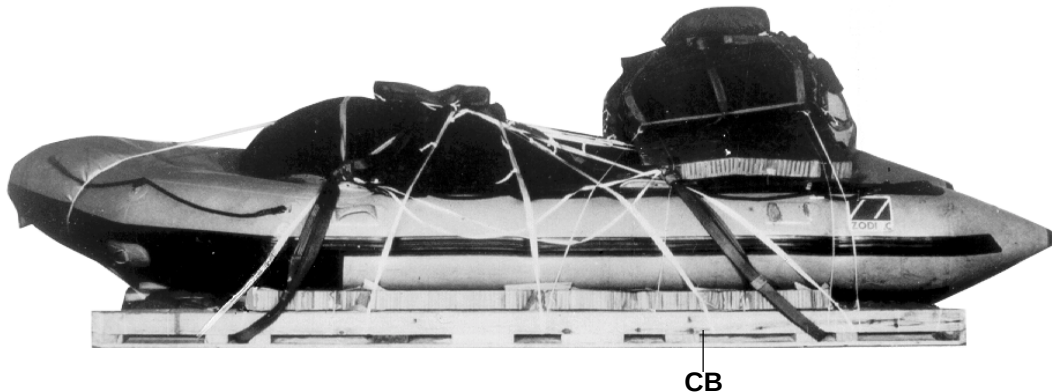


Figure 3-119. Trailer-Mounted Engineer Electrical Tool Outfit

SECTION III- COMBAT-EXPENDABLE PLATFORM LOW-VELOCITY AIRDROP**Zodiac Mark III Rubber Raiding Craft**

Reference: FM 10-542/TO 13C7-51-21/NAVSEA SS400-AD-MMO-010

Weight	2,470 pounds
Height	60 inches
Width	75 inches
Overall Length	184 inches
Overhang: Front (Rear of boat)	17 inches
Overhang: Rear (Front of boat)	23 inches
CB (from front edge of platform)	60 inches

Accompanying Load: Accompanying load must weigh at least 650 pounds but no more than 1,170 pounds and must be dropped with boat.

Aircraft: C-130, C-141, and C-17

Extraction System: Gravity

Extraction Parachute C-130: 15-Foot Droque

Extraction Parachute C-141: 15-Foot Droque

Extraction Parachute C-5: NA

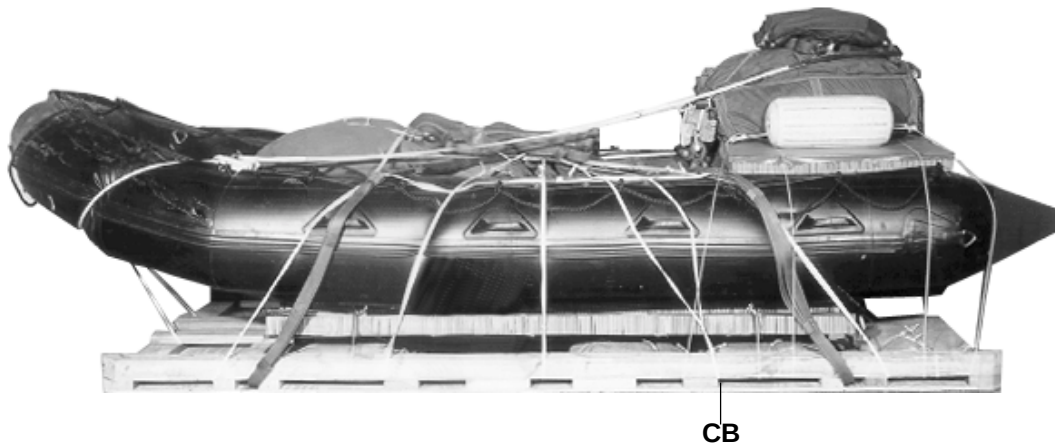
Extraction Parachute C-17: 15-Foot Droque

Platform: Combat-Expendable 144-inches

Cargo Parachutes: One G-12E

Figure 3-120. Zodiac Mark III Rubber Raiding Craft

Zodiac Mark III Futura Rubber Raiding Craft



Reference: FM 10-542/TO 13C7-51-21/NAVSEA SS400-AD-MMO-010

Weight	2,440 pounds
Height	67 inches
Width	75 inches
Overall Length	185 inches
Overhang: Front (Rear of boat)	18 inches
Overhang: Rear (Front of boat)	23 inches
CB (from front edge of platform)	60 inches

Accompanying Load: Accompanying load must weigh at least 650 pounds but no more than 1,170 pounds and must be dropped with boat.

Aircraft: C-130, C-141, and C-17

Extraction System: Gravity

Extraction Parachute C-130: 15-Foot Droque

Extraction Parachute C-141: 15-Foot Droque

Extraction Parachute C-5: NA

Extraction Parachute C-17: 15-Foot Droque

Platform: Combat-Expendable 75-by 144-inches

Cargo Parachutes: One G-12E

Figure 3-121. Zodiac Mark III Futura Rubber Raiding Craft

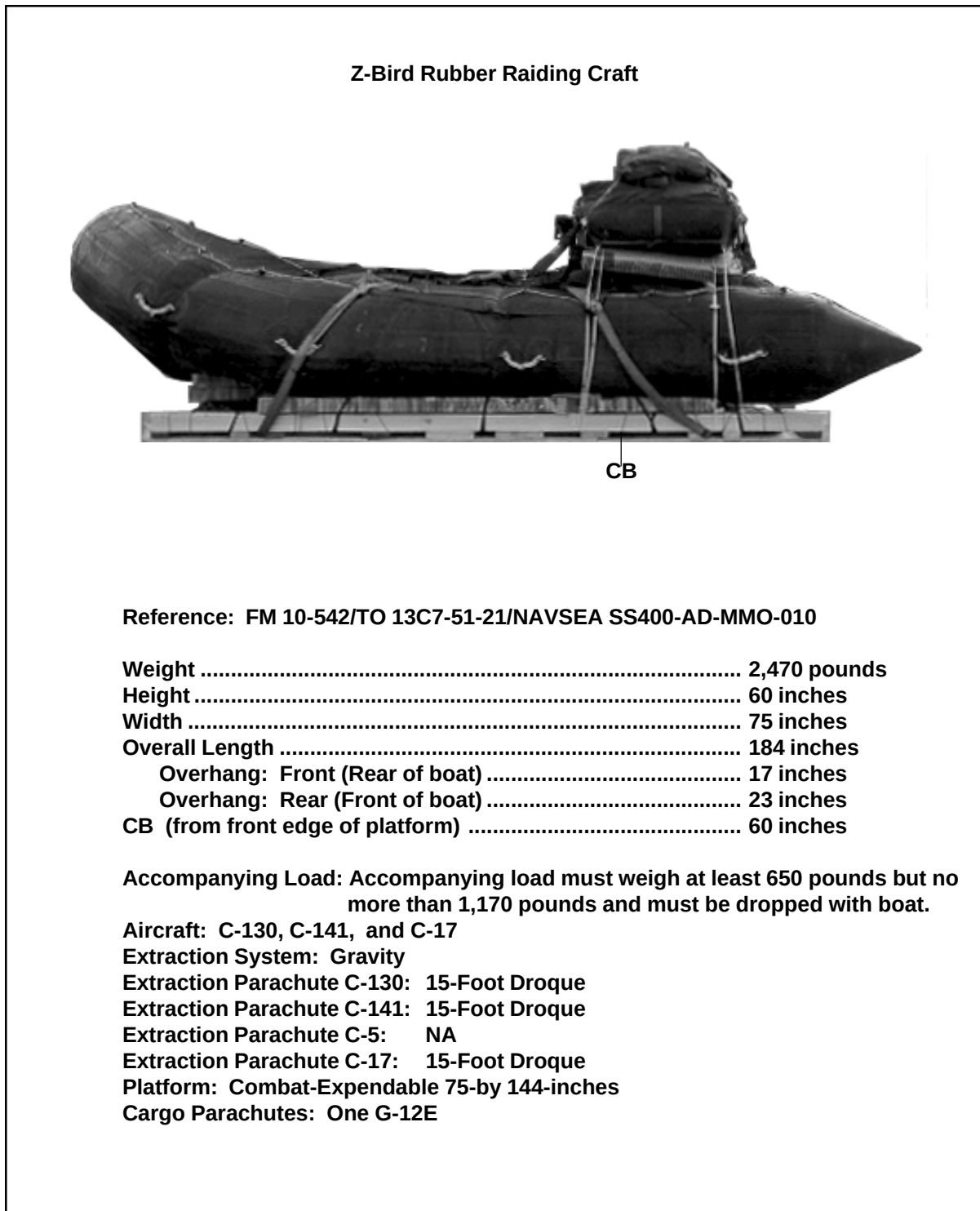


Figure 3-122. Z-Bird Rubber Raiding Craft

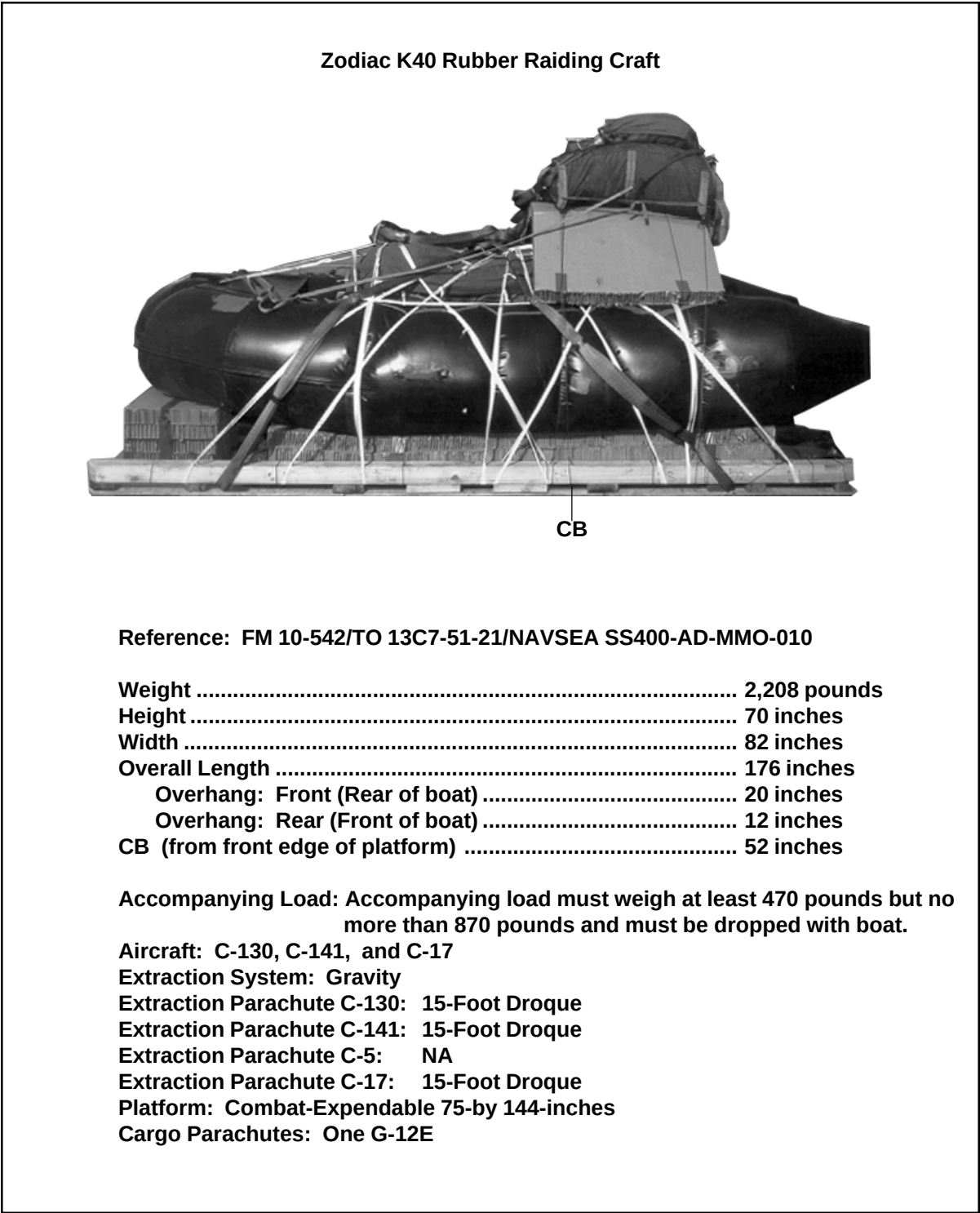
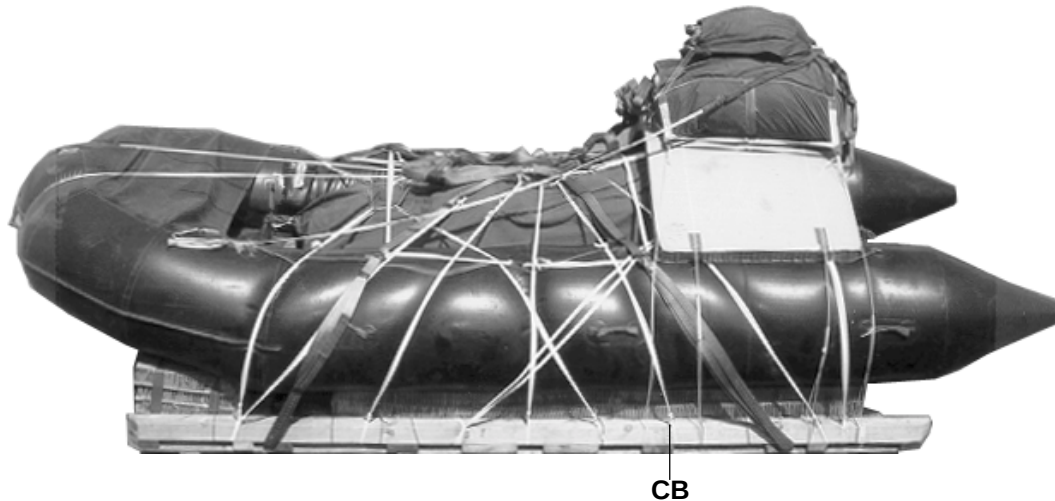


Figure 3-123. Zodiac K40 Rubber Raiding Craft

Zodiac K50 Rubber Raiding Craft



Reference: FM 10-542/TO 13C7-51-21/NAVSEA SS400-AD-MMO-010

Weight	2,218 pounds
Height	70 inches
Width	82 inches
Overall Length	194 inches
Overhang: Front (Rear of boat)	25 inches
Overhang: Rear (Front of boat)	25 inches
CB (from front edge of platform)	52 inches

Accompanying Load: Accompanying load must weigh at least 450 pounds but no more than 850 pounds and must be dropped with boat.

Aircraft: C-130, C-141, and C-17

Extraction System: Gravity

Extraction Parachute C-130: 15-Foot Droque

Extraction Parachute C-141: 15-Foot Droque

Extraction Parachute C-5: NA

Extraction Parachute C-17: 15-Foot Droque

Platform: Combat-Expendable 75-by 144-inches

Cargo Parachutes: One G-12E

Figure 3-124. Zodiac K50 Rubber Raiding Craft

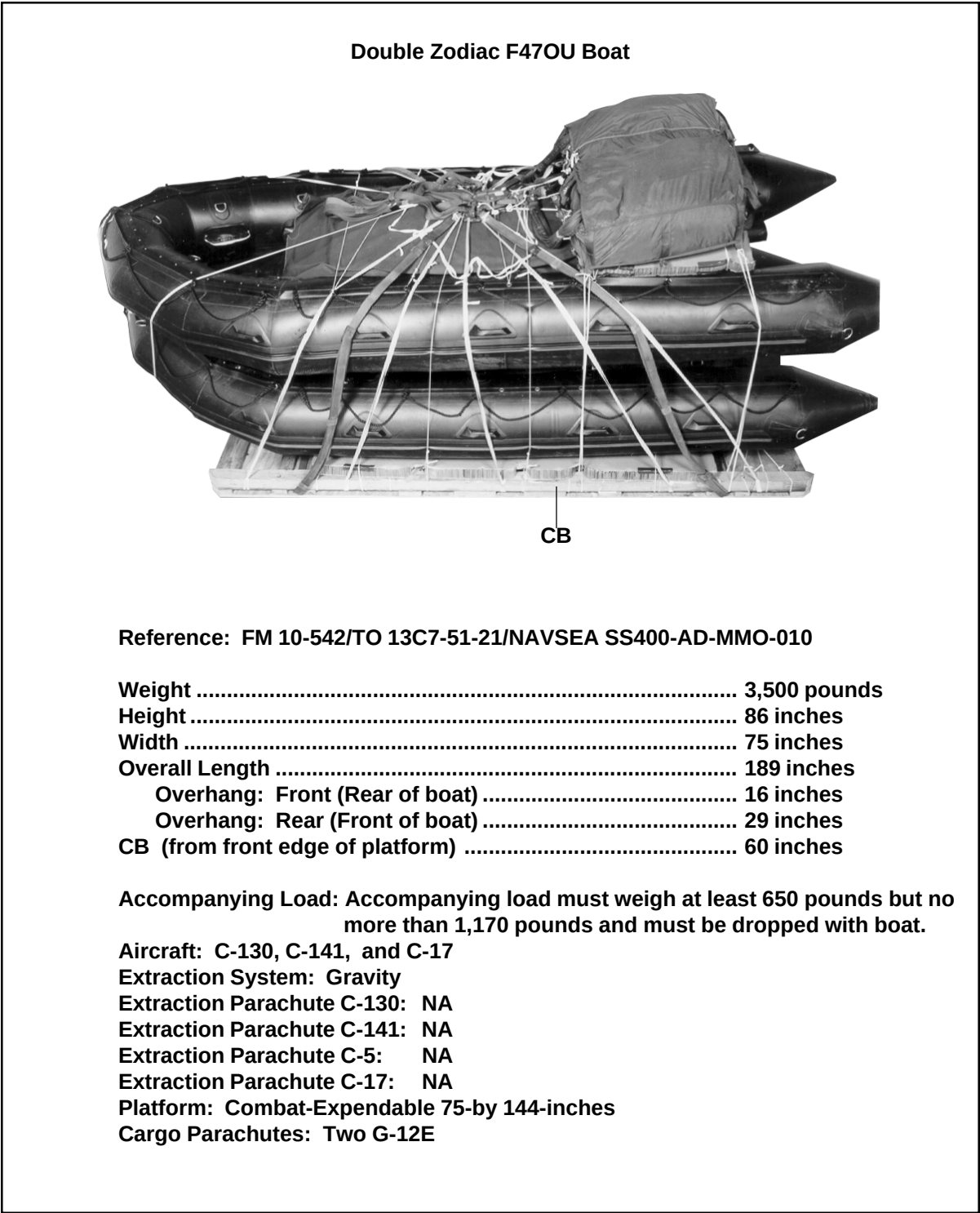
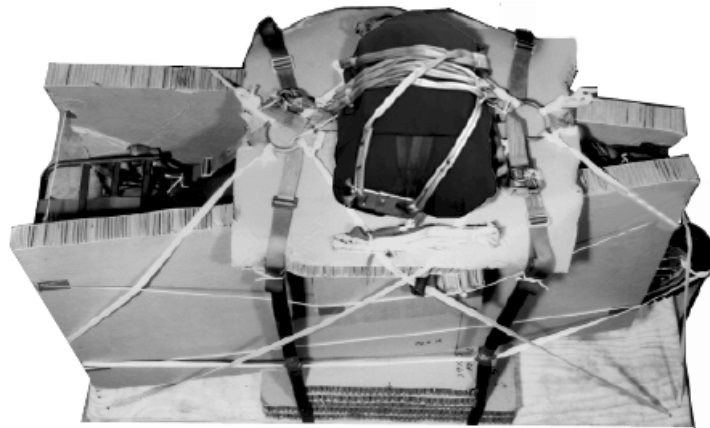


Figure 3-125. Double Zodiac F47OU Boat

One Motorcycle



Reference: FM 10-500-77/TO 13C7-55-1

Weight	485 pounds
Height	71 inches
Width	32 inches
Overall Length	88 inches
Overhang: Front	0 inches
Overhang: Rear	0 inches
CB (from front edge of platform)	0 inches

Accompanying Load: None
 Aircraft: C-130, C-141, and C-17
 Extraction System: Gravity
 Extraction Parachute C-130: NA
 Extraction Parachute C-141: NA
 Extraction Parachute C-5: NA
 Extraction Parachute C-17: NA
 Platform: Combat-Expendable 32-by 88-inches
 Cargo Parachutes: One G-14 or T-10C

Figure 3-126. One Motorcycle

Two Motorcycles



Reference: FM 10-500-77/TO 13C7-55-1

Weight	892 pounds
Height	75 inches
Width	48 inches
Overall Length	96 inches
Overhang: Front	0 inches
Overhang: Rear	0 inches
CB (from front edge of platform)	0 inches

Accompanying Load: None
Aircraft: C-130, C-141, and C-17
Extraction System: Gravity
Extraction Parachute C-130: 15-Foot Droque
Extraction Parachute C-141: 15-Foot Droque
Extraction Parachute C-5: NA
Extraction Parachute C-17: 15-Foot Droque
Platform: Combat-Expendable 48-by 96-inches
Cargo Parachutes: One G-12E

Figure 3-127. Two Motorcycles

Four Wheeled Quad-Runner



Reference: FM 10-500-77/TO 13C7-55-1

Weight	960 pounds
Height	68 inches
Width	48 inches
Overall Length	87 inches
Overhang: Front	0 inches
Overhang: Rear	0 inches
CB (from front edge of platform)	0 inches

Accompanying Load: None

Aircraft: C-130, C-141, and C-17

Extraction System: Gravity

Extraction Parachute C-130: 15-Foot Droque

Extraction Parachute C-141: 15-Foot Droque

Extraction Parachute C-5: NA

Extraction Parachute C-17: 15-Foot Droque

Platform: Combat-Expendable 48-by 87-inches

Cargo Parachutes: One G-12E

Figure 3-128. Four Wheeled Quad-Runner

**SECTION IV- MARITIME AERIAL DELIVERY SYSTEMS PLATFORM
LOW-VELOCITY AIRDROP**

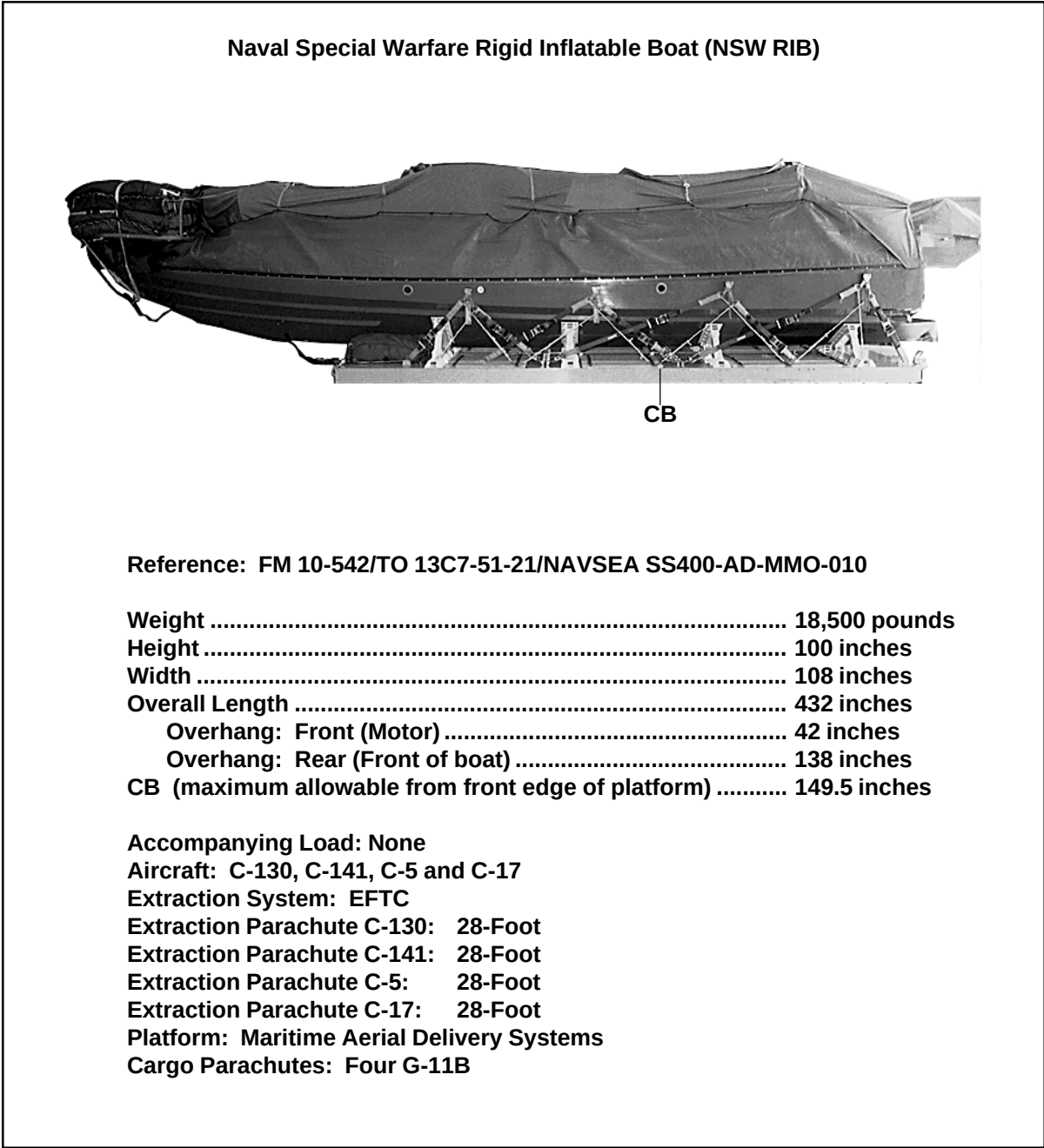


Figure 3-129. Naval Special Warfare Rigid Inflatable Boat (NSW RIB)

Chapter 4

Aircraft Capabilities

GENERAL

4-1. This chapter contains information on Air Force aircraft airdrop capabilities.

C-130 HERCULES

4-2. The C-130 has the capability to airdrop a maximum of 42,000 pounds using multiple airdrop platforms. The maximum weight of a single airdrop platform weight is limited to 42,000 pounds for E / H model airplanes AF 61-2358 and AF 62-1748 and up. The single maximum platform weight limit for MC-130 E/H airplanes is 35,000 pounds and 25,000 pounds for all other C-130 airplanes prior to AF 62-1784. The C-130 can airdrop loads up to 100 inches high unless otherwise certified in the specific rigging manual. The aircraft has a maximum total space available of 40 feet. The platforms will vary from 8 to 32 feet in length. For planning purposes allow a minimum of 18 inches between platforms to allow space for the Extraction Force Transfer Coupling (EFTC), three point link, and attaching the preceding extraction line. With the Extraction Parachute Jettison Device (EPJD) attached, a 30 inch space will have to be maintained for the EFTC, three point link and the EPJD with extraction line attached. The specific loading manual must be consulted when approaching maximum limits for platform space availability and weights.

C-141 STARLIFTER

4-3. The C-141 has the capability to airdrop a combined total of 70,000 pounds using multiple airdrop platforms. The aircraft has a total space available of 93 feet. The platforms will vary from 8 to 32 feet in length. For planning purposes you must allow a minimum of 18 inches between platforms to allow space for the EFTC three point link and attaching the preceding extraction line. With the EPJD attached, a 30 inch space must be maintained for the EFTC, three point link and the EPJD with extraction line attached. The maximum single platform weight is limited to 38,500 pounds unless waived for contingency by the MAJCOM (HQ). The C-130 can airdrop loads up to 100 inches high unless otherwise certified in the specific rigging manual. The maximum weight with the waiver is 42,000 pounds. The specific loading manual must be consulted when approaching maximum limits for platform space availability and weights.

C-17 GLOBEMASTER

4-4. The C-17 has the capability to airdrop a combined total of 110,000 pounds using multiple airdrop platforms. The C17 has 64 feet of space available for airdrop use. Two 32 foot platforms may be airdropped if specific guidance is followed. The platforms will vary from 8 to 32 feet in length. For planning purposes allow a minimum of 18 inches between platforms to allow space for the EFTC, three point link and attaching the preceding extraction line. With the EPJD attached, a 30 inch space must be maintained for the EFTC, three point link and the EPJD with extraction line attached. The C-17 can airdrop loads up to 118 inches high measured from the bottom of the platform. The maximum single platform weight is limited to 60,000 pounds. The specific loading manual must be consulted when approaching maximum limits for platform space availability.

C-5 GALAXY

4-5. The C-5 has the capability to airdrop a combined total of 200,000 pounds using multiple airdrop platforms. The aircraft has 121 feet of space available for airdrop use, however there are restrictions. The length of the extraction line generally restricts placement of platforms and the EFTC actuator arm must not be positioned forward of fuselage station 574 (57 inches aft of the forward ramp hinge). The platforms will vary from 8 to 32 feet in length. For planning purposes you must allow a minimum of 18 inches between platforms for the EFTC, three-point link and attaching the preceding extraction line. If the EPJD is used, a minimum of 30 inches between platforms is required. The C-17 can airdrop loads up to 105 inches high measured from the bottom of the platform. The maximum single platform weight is limited to 60,000 pounds. Consult the specific loading manual when approaching maximum limits for platform weights and space availability.

Glossary

AFB	Air Force Base
AFTO	Air Force Technical Order
AMC	air mobility command
approx	approximate
bb1	barrel
CAV	command assault vehicle
CB	center of balance
CHS-2	command hardware/software 2nd generation package
CU	cubic
d	penny
DA	Department of the Army
DEUCE	deployable universal combat earthmover
DOD	Department of Defense
ECU	environmental control unit
EFTC	extraction force transfer coupling
EPJD	extraction parachute jettison device
FARE	forward area refueling equipment
FAST	forward area surgical team
FM	field manual
ft	foot/feet
GPH	gallons per hour
GPM	gallons per minute
HMMWV	high mobility, multipurpose wheeled vehicle
HQ	headquarters
ID	inner diameter
in	inch
lb	pound
lin	linear
MAJCOM	major command
M-Gator	military utility vehicle
max	maximum
MICLIC	mine clearing line charge
min	minimum
MMLS	mobile microwave landing system
mm	millimeter
no	number
OD	outside diameter
oz	ounce
PLS	palletized load system
ROWPU	reverse osmosis water purification unit
RRR	rapid runway repair
SEE	small emplacement excavator
SICPS	standard intergrated command post system
sq	square

SUSV	small unit support vehicle
TDARS	technical defense alert radar system
tn	ton
TO	technical order
TOW	tube-launched, optically tracked, wire-guided missile
TRADOC	United States Army Training and Doctrine Command
US	United States
w	width
yd	yard

References

FM 4-20.108/TO 13C7-2-491	Airdrop of Supplies and Equipment: Rigging Military Utility Vehicle (M-Gator)
FM 4-20.102/TO 13C7-1-5	Airdrop of Supplies and Equipment: Rigging Airdrop Platforms
FM 10-500-3/TO 13C7-1-11	Airdrop of Supplies and Equipment: Rigging Containers
FM 10-512/TO 13C7-1-8	Airdrop of Supplies and Equipment: Rigging Typical Supply Loads
FM 10-513/TO 13C7-3-51	Airdrop of Supplies and Equipment: Rigging 3/4 Ton Cargo Trailer M101 or M101A1
FM 10-517/TO 13C7-1-111	Airdrop of Supplies and Equipment: Rigging 1 1/4 Ton Utility Truck (HMMWV)
FM 10-519/TO 13C7-10-31	Airdrop of Supplies and Equipment: Rigging 105mm Howitzers
FM 10-521/TO 13C76-2-261	Airdrop of Supplies and Equipment: Rigging Tractors and Tractor Dozers
FM 10-522/TO 13C7-2-1001	Airdrop of Supplies and Equipment: Rigging Potable Water
FM 10-500-23/TO 13C7-14-461	Airdrop of Supplies and Equipment: Rigging Communications Vehicles
FM 10-524/TO 13C7-14-471	Airdrop of Supplies and Equipment: Rigging Communications Shelters
FM 10-527/TO 13C7-10-191	Airdrop of Supplies and Equipment: Rigging 155mm Howitzers
FM 10-528/TO 13C7-26-71	Airdrop of Supplies and Equipment: Rigging Road Rollers
FM 10-500-29/TO 13C7-10-171	Airdrop of Supplies and Equipment: Rigging Heavy Anti-Tank Assault Weapon System (TOW)
FM 10-531/TO 13C7-54-1	Airdrop of Supplies and Equipment: Rigging Fork Lift Trucks
FM 10-532/TO 13C7-3-361	Airdrop of Supplies and Equipment: Rigging 1 1/2 Ton Trailers
FM 10-534/TO 13C7-10-161	Airdrop of Supplies and Equipment: Rigging Air Defense Artillery Gun
FM 10-537/TO 13C7-1-19	Airdrop of Supplies and Equipment: Rigging Forward Area Refueling Equipment

FM 10-539/TO 13C7-1-17	Airdrop of Supplies and Equipment: Rigging JD410 Tractor
FM 10-540/TO 13C7-3-381	Airdrop of Supplies and Equipment: Rigging Tilt Trailers
FM 10-541/TO 13C7-11-21	Airdrop of Supplies and equipment: Rigging Military Bridges
FM 10-542/TO 13C7-51-21 NAVSEA SS400-AD-MMO-010	Airdrop of Supplies and Equipment: Rigging Typical Supply Loads
FM 10-543/TO 13C7-2-1011	Airdrop of Supplies and Equipment: Rigging 1/4 Ton Truck with 1/4 Ton Trailer
FM 10-500-45/TO 13C7-10-201	Airdrop of Supplies and Equipment: Rigging Mortars
FM 10-548/TO 13C7-24-21	Airdrop of Supplies and Equipment: Rigging Airborne Crane-Shovel and Attachments
FM 10-550/TO 13C76-22-71	Airdrop of Supplies and Equipment: Rigging Stinger Weapon System and Missiles
FM 10-552/TO 13C7-22-61	Airdrop of Supplies and Equipment: Rigging Dragon and Javelin Missiles
FM 10-555/TO 13C7-3-401	Airdrop of Supplies and Equipment: Rigging Munitions
FM 10-558/TO 13C7-7-61	Airdrop of Supplies and Equipment: Rigging Reverse Osmosis Water Purification Unit
FM 10-562/TO 13C7-34-1	Airdrop of Supplies and Equipment: Rigging Whole Blood
FM 10-564/TO 13C7-37-1	Airdrop of Supplies and Equipment: Rigging Fuel Drums
FM 10-500-66/TO 13C7-25-71	Airdrop of Supplies and Equipment: Rigging 2 Liter Armored Ambulance
FM 10-567/TO 13C7-16-171	Airdrop of Supplies and Equipment: Rigging Tracked Personnel/ Cargo Carriers
FM 10-569/TO 13C7-15-61	Airdrop of Supplies and Equipment: Rigging Trailer- Mounted Air Compressors
FM 10-500-71/TO 13C7-6-141	Airdrop of Supplies and Equipment: Rigging FMTV
FM 10-573/TO 13C7-27-141	Airdrop of Supplies and Equipment: Rigging 130G Motor Grader

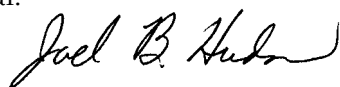
FM 10-574/TO 13C7-31-31	Airdrop of Supplies and Equipment: Rigging 950B Scoop Loader Tractor
FM 10-575/TO 13C7-17-11	Airdrop of Supplies and Equipment: Rigging 613B Water Distributor
FM 10-576/TO 13C7-27-151	Airdrop of Supplies and Equipment: Rigging 613S Scrapers
FM 10-500-77/TO 13C7-55-1	Airdrop of Supplies and Equipment: Rigging Motorcycles
FM 10-579/TO 13C7-50-1	Airdrop of Supplies and Equipment: Rigging Landing Field Mat
FM 10-591/TO 13C7-8-31	Airdrop of Supplies and Equipment: Rigging Trailer Mounted Engineer Electrical Tool Outfits
DA Form 2028	Recommended Change to Publications and Blank Forms
AFTO Form 22	Technical Order Publication Improvement Form

FM 4-20.116(FM 10-516)
TO 13C7-1-13
20 AUGUST 2001

By Order of the Secretary of the Army and the Air Force:

ERIC K. SHINSEKI
General, United States Army
Chief of Staff

Official:



JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
0122625

GEORGE T. BABBITT
General, USAF
Commander, AFMC

MICHAEL E. RYAN
General, USAF
Chief of Staff

DISTRIBUTION:

Active Army, Army National Guard, and U.S. Army Reserve: To be distributed in accordance with the initial distribution number 110900, requirements for FM 4-20.116.