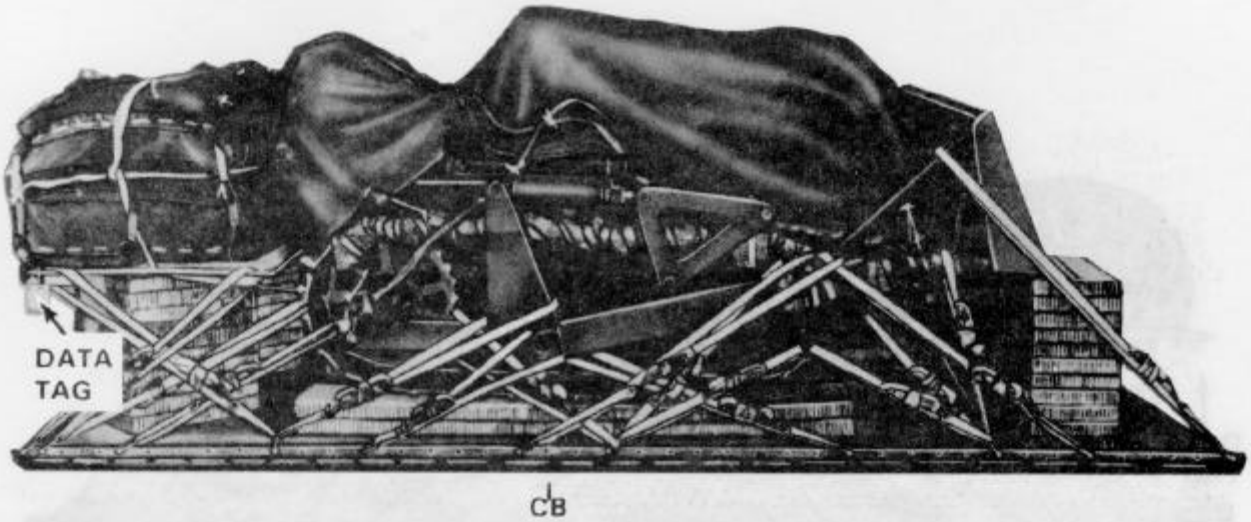
D-6 TRACTOR



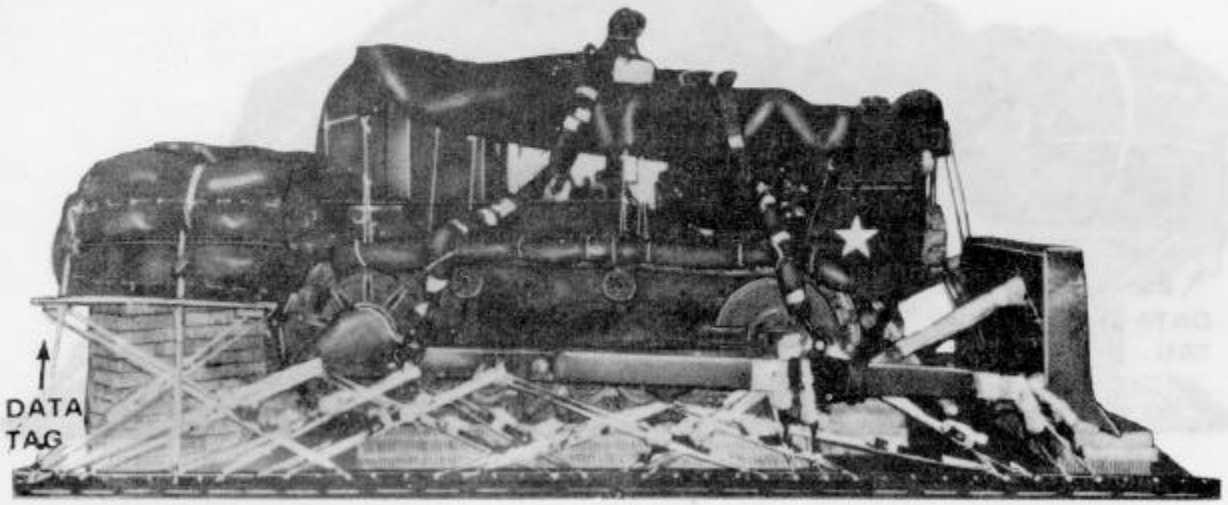
Reference: FM 10-521/TO 13C7-6-21

Weight	18,800 pounds
Height	85 inches
Width	108 inches
Length	250 inches
Overhang: Front	0 inch
Overhang: Rear	10 inches
CB (from front edge of platform)	188 inches

Accompanying Load: None
Aircraft: C-130 only
Extraction System: 120-inch SL/CS
Extraction Parachute C-130: 28-foot
Extraction Parachute C-141: None
Platform: 20-foot modular
Cargo Parachutes: Six G-11A

Figure 3-50. D-6 tractor.

D-6B FULL-TRACKED TRACTOR

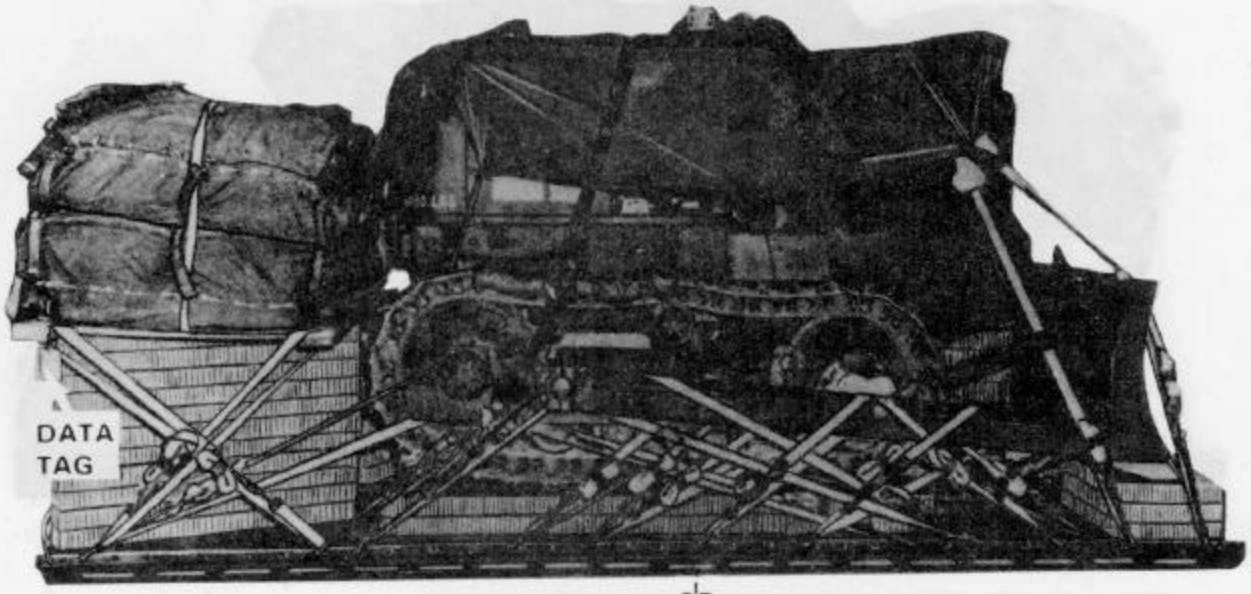


Reference: FM 10-521/TO 13C7-6-21

Weight ..... 24,475 pounds
Height ..... 96 inches
Width ..... 108 inches
Length ..... 240 inches
Overhang: Front ..... 0 inch
Overhang: Rear ..... 0 inch
CB (from front edge of platform) ..... 129 inches
Accompanying Load: None
Aircraft: C-130 only
Extraction System: EFTC w 24-foot cable (shown) or 120-inch SL/CS
Extraction Parachute C-130: 28-foot
Extraction Parachute C-141: None
Platform: 20-foot modular
Cargo Parachutes: Six G-11A

Figure 3-51. D-6B full-tracked tractor.

HD-6M TRACTOR

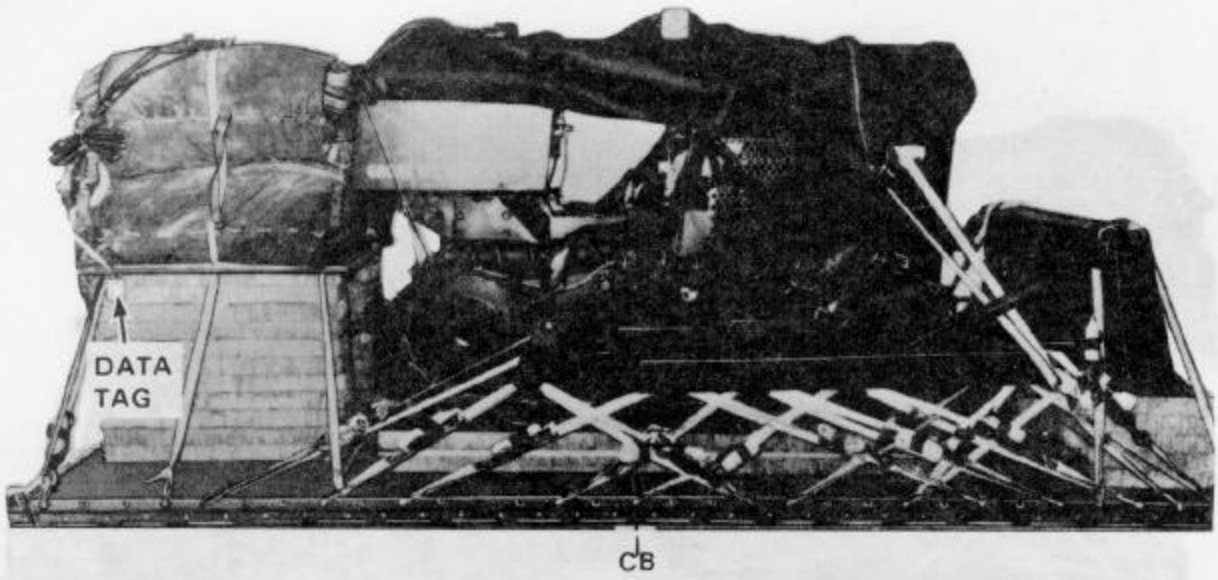


Reference: FM 10-521/TO 13C7-6-21

Weight ..... 18,975 pounds
Height ..... 89 inches
Width ..... 108 inches
Length ..... 198 inches
Overhang: Front ..... 0 inch
Overhang: Rear ..... 6 inches
CB (from front edge of platform) ..... 91 inches
Accompanying Load: None
Aircraft: C-130 only
Extraction System: 120-inch SL/CS
Extraction Parachute C-130: 28-foot
Extraction Parachute C-141: None
Platform: 16-foot modular
Cargo Parachutes: Six G-11A

Figure 3-52. HD-6M tractor.

M450 FULL-TRACKED CRAWLER TRACTOR

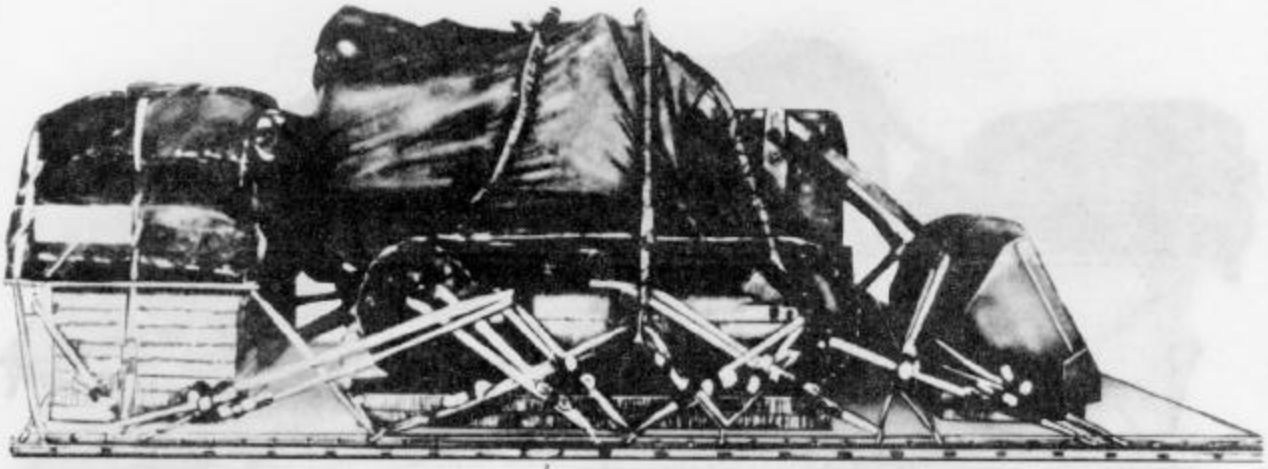


Reference: FM 10-521/TO 13C7-6-21

Weight ..... 12,125 pounds
Height ..... 80 inches
Width ..... 108 inches
Length ..... 192 inches
  Overhang: Front ..... 0 inch
  Overhang: Rear ..... 0 inch
CB (from front edge of platform) ..... 96 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: 120-inch SL/CS
Extraction Parachute C-130: 22-foot
Extraction Parachute C-141: 22-foot
Platform: 16-foot modular
Cargo Parachutes: Four G-11A

Figure 3-53. M450 full-tracked crawler tractor.

933 TRACTOR, WITH WINCH



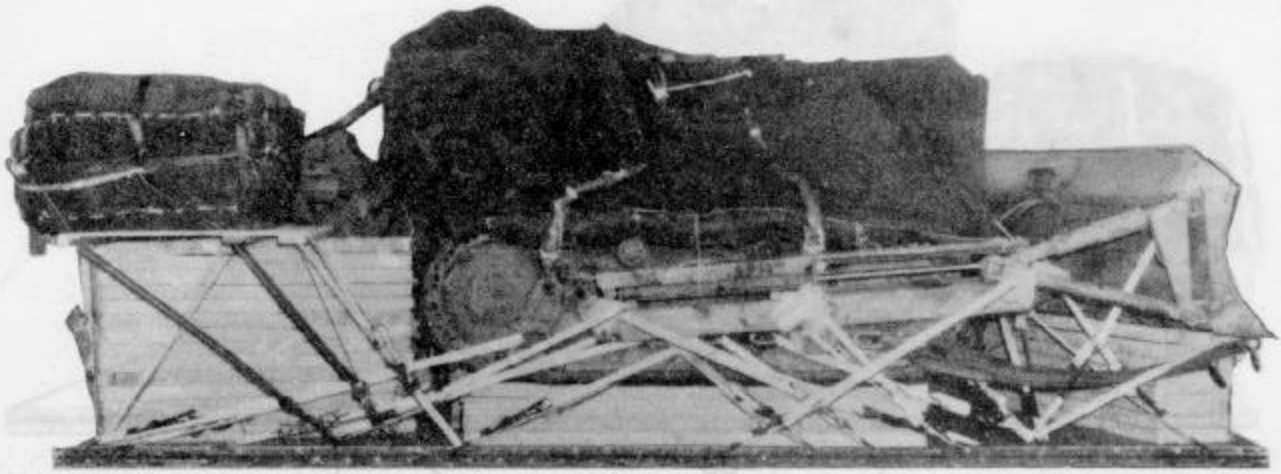
Reference: FM 10-521/TO 13C7-6-21

Weight	19,130 pounds
Height	85 inches
Width	108 inches
Length	250 inches
Overhang: Front	0 inch
Overhang: Rear	10 inches
CB (from front edge of platform)	143 inches

Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: 120-inch SL/CS
Extraction Parachute C-130: 28-foot
Extraction Parachute C-141: 28-foot
Platform: 20-foot modular
Cargo Parachutes: Six G-11A

Figure 3-54. 933 tractor, with winch.

CASE D1150 FULL-TRACKED CRAWLER TRACTOR



CB

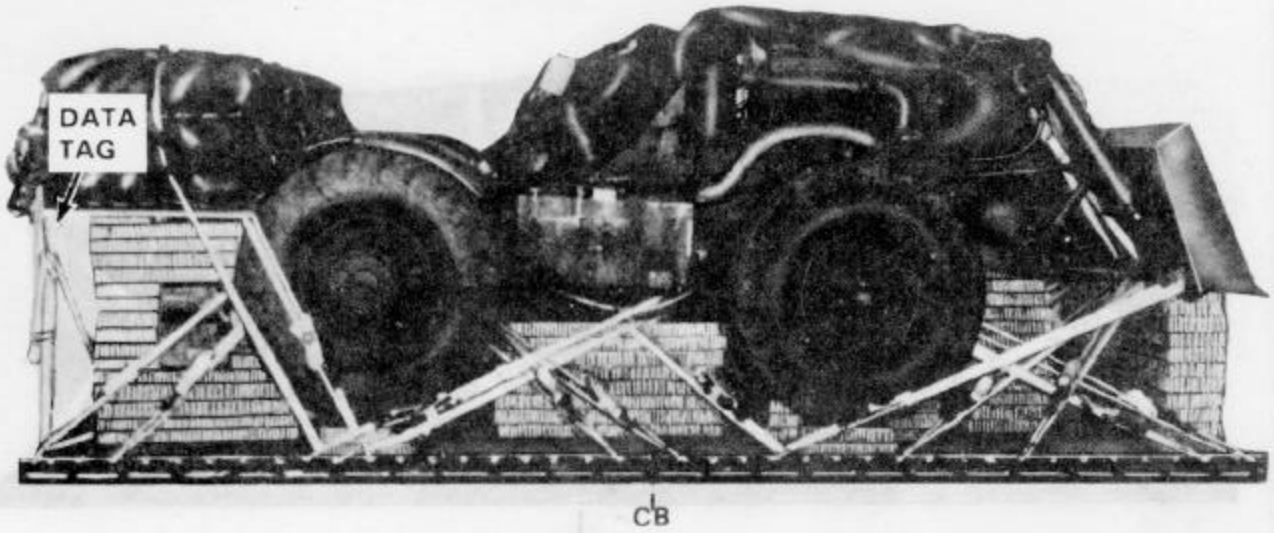
Reference: FM 10-521/TO 13C7-6-21

Weight	25,130 pounds
Height	97 inches
Width	110 inches
Length	259 inches
Overhang: Front	0 inch
Overhang: Rear	19 inches
CB (from front edge of platform)	124 inches

Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: EFTC w 20-foot cable (shown) or 120-inch SL/CS
Extraction Parachute C-130: 28-foot
Extraction Parachute C-141: 28-foot
Platform: 20-foot modular
Cargo Parachutes: Six G-11A

Figure 3-55. Case D1150 full-tracked crawler tractor.

MRS 100B INDUSTRIAL WHEELED TRACTOR

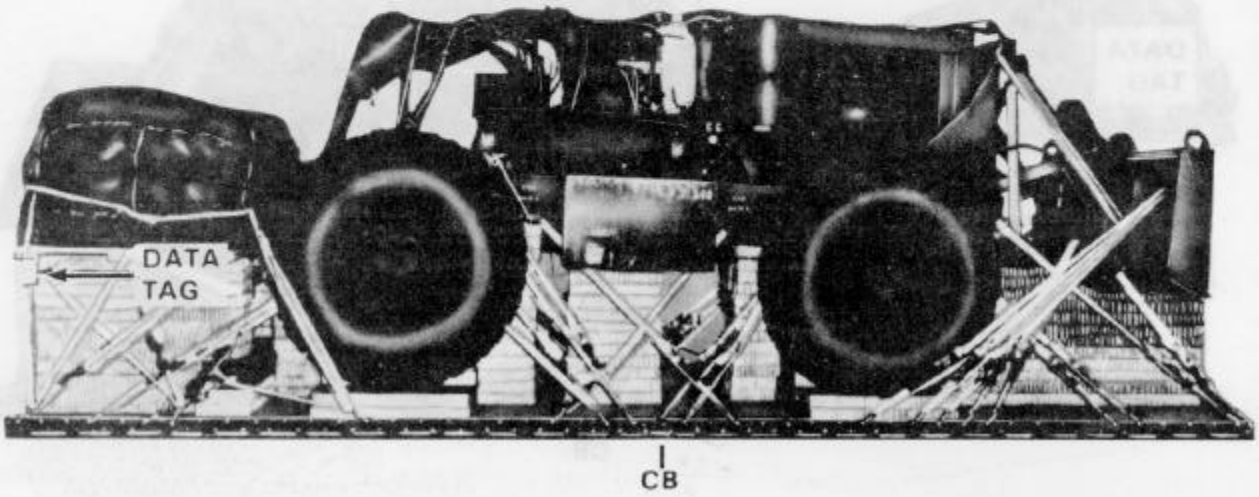


Reference: FM 10-584/TO 13C7-6-71

Weight ..... 19,000 pounds
Height ..... 91 inches
Width ..... 108 inches
Length ..... 241 inches
Overhang: Front ..... 1 inch
Overhang: Rear ..... 0 inch
CB (from front edge of platform) ..... 112 inches
Accompanying Load: None
Aircraft: C-130 only
Extraction System: 120-inch SL/CS
Extraction Parachute C-130: 28-foot
Extraction Parachute C-141: None
Platform: 20-foot modular
Cargo Parachutes: Six G-11A

Figure 3-56. MRS 100B industrial wheeled tractor.

MRS 100 MC INDUSTRIAL WHEELED TRACTOR

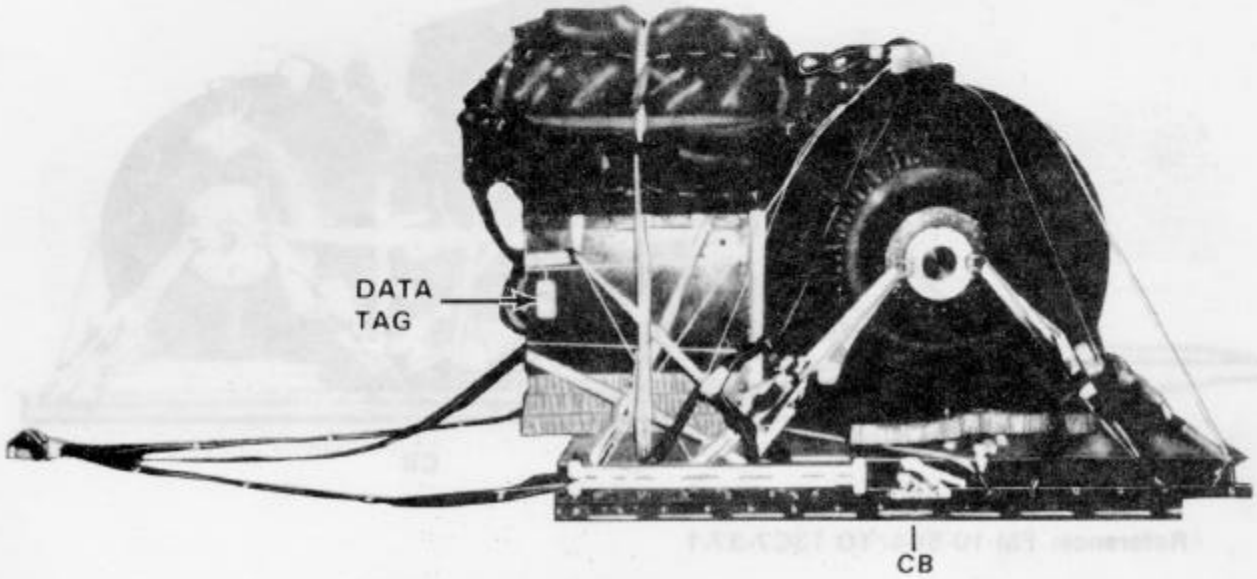


Reference: FM 10-584/TO 13C7-6-71

Weight ..... 24,800 pounds
Height ..... 98 1/2 inches
Width ..... 108 inches
Length ..... 288 inches
Overhang: Front ..... 0 inch
Overhang: Rear ..... 0 inch
CB (from front edge of platform) ..... 132 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: EFTC w 24-foot cable
Extraction Parachute C-130: 28-foot
Extraction Parachute C-141: 28-foot
Platform: 24-foot modular
Cargo Parachutes: Six G-11A

Figure 3-57. MRS 100 MC industrial wheeled tractor.

ONE FUEL DRUM WITH PUMPING ASSEMBLY



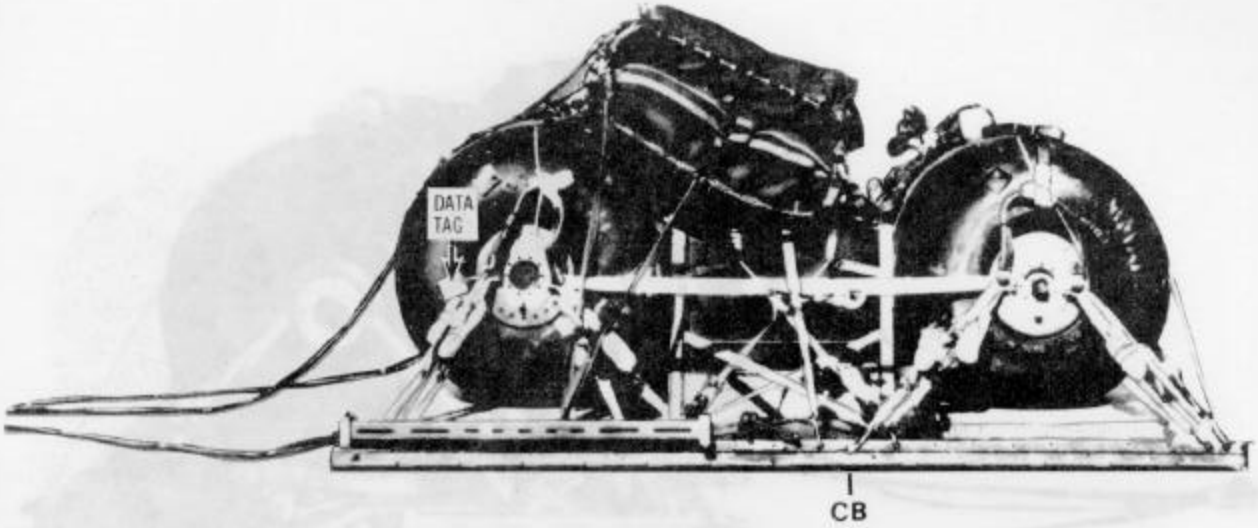
Reference: FM 10-564/TO 13C7-37-1

***Weight** ..... 4,983 pounds
Height ..... 73 inches
Width ..... 108 inches
Length ..... 103 inches
Overhang: Front ..... 0 inch
Overhang: Rear ..... 8 inches
CB (from front edge of platform) ..... 48 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 8-foot modular
Cargo Parachutes: Two G-11A

***Includes 432 gallons of gasoline in the drum.**

Figure 3-58. One fuel drum with pumping assembly.

TWO FUEL DRUMS WITH PUMPING ASSEMBLY



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

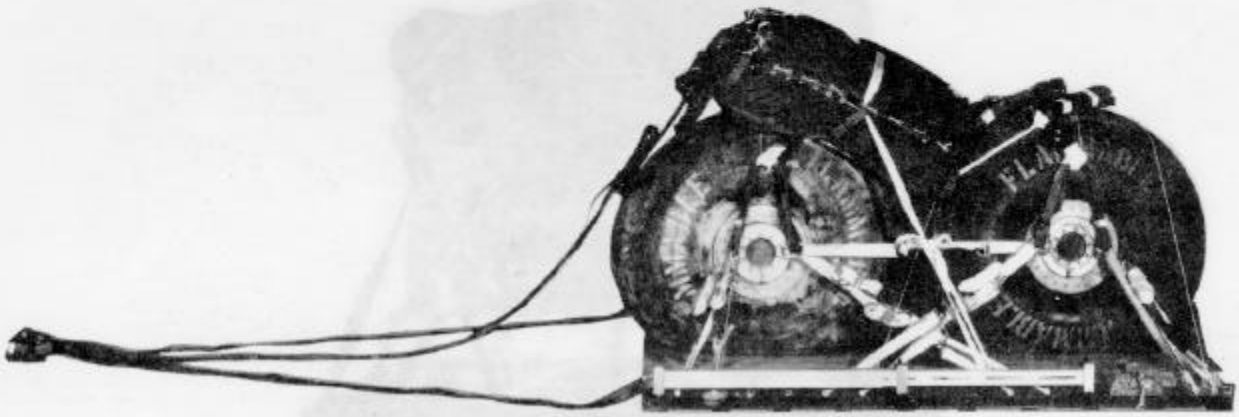
*Weight	8,900 pounds
Height	82 inches
Width	108 inches
Length	144 inches
Overhang: Front	0 inch
Overhang: Rear	0 inch
CB (from front edge of platform)	72 inches

Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 120-inch SL/CS w C-130; 60-inch w C-141
Extraction Parachute C-130: 22-foot
Extraction Parachute C-141: 15-foot
Platform: 12-foot modular
Cargo Parachutes: Three G-11A

*Includes 432 gallons of gasoline in each drum.

Figure 3-59. Two fuel drums with pumping assembly.

TWO FUEL DRUMS WITHOUT PUMPING ASSEMBLY



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

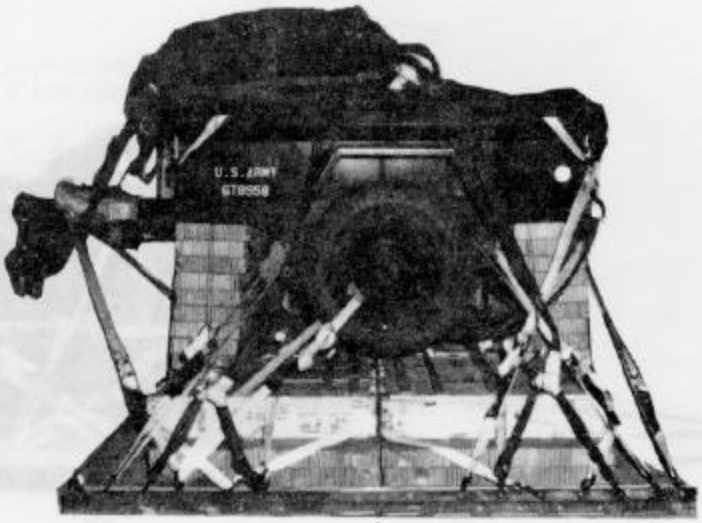
***Weight**	6,917 pounds
Height	67 inches
Width	108 inches
Length	112 inches
Overhang: Front	7 inches
Overhang: Rear	7 inches
CB (from front edge of platform)	54 inches

Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot
Extraction Parachute C-141: 15-foot
Platform: 8-foot modular
Cargo Parachutes: Two G-11A or two G-11B

*Includes 432 gallons of gasoline in each drum.

Figure 3-60. Two fuel drums without pumping assembly.

1/4-TON CARGO TRAILER



Reference: FM 10-518/TO 13C7-3-371

	M416	M100
Weight	3,600 pounds	3,600 pounds
Height	83 inches	81 inches
Width	108 inches	108 inches
Length	123 inches	123 inches
Overhang: Front	0 inch	0 inch
Overhang: Rear	27 inches	27 inches
CB (from front edge of platform)	52 inches	45 inches

Accompanying Load: Allowable weight varies according to aircraft and type of extraction.

Aircraft: C-130 and C-141

Extraction System: PEFTC or 60-inch SL/CS (shown)

Extraction Parachute C-130: 15-foot reefed

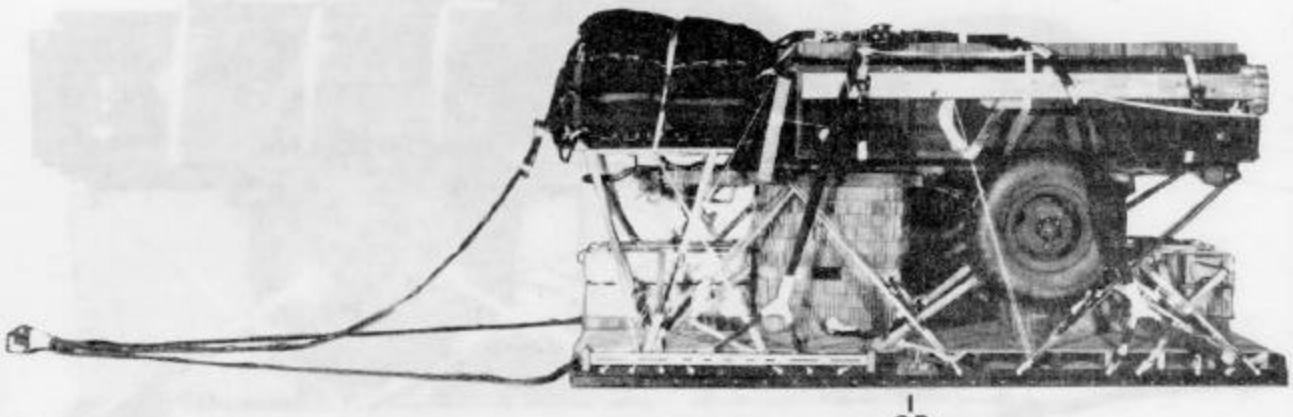
Extraction Parachute C-141: 15-foot reefed

Platform: 8-foot modular

Cargo Parachutes: One G-11A or one G-11B

Figure 3-61. 1/4-ton cargo trailer.

3/4-TON CARGO TRAILER



Reference: FM 10-513/TO 13C7-3-51

***Weight**	5,100 pounds
Height	82 inches
Width	108 inches
Length	156 inches
Overhang: Front	12 inches
Overhang: Rear	0 inch
CB (from front edge of platform)	71 inches

Accompanying Load: Load of 1,500 pounds may be stowed in the trailer and 2,500 pounds stowed on the platform.

Aircraft: C-130 and C-141

Extraction System: PEFTC (shown) or 60-inch SL/CS

Extraction Parachute C-130: 15-foot unreefed

Extraction Parachute C-141: 15-foot unreefed or reefed

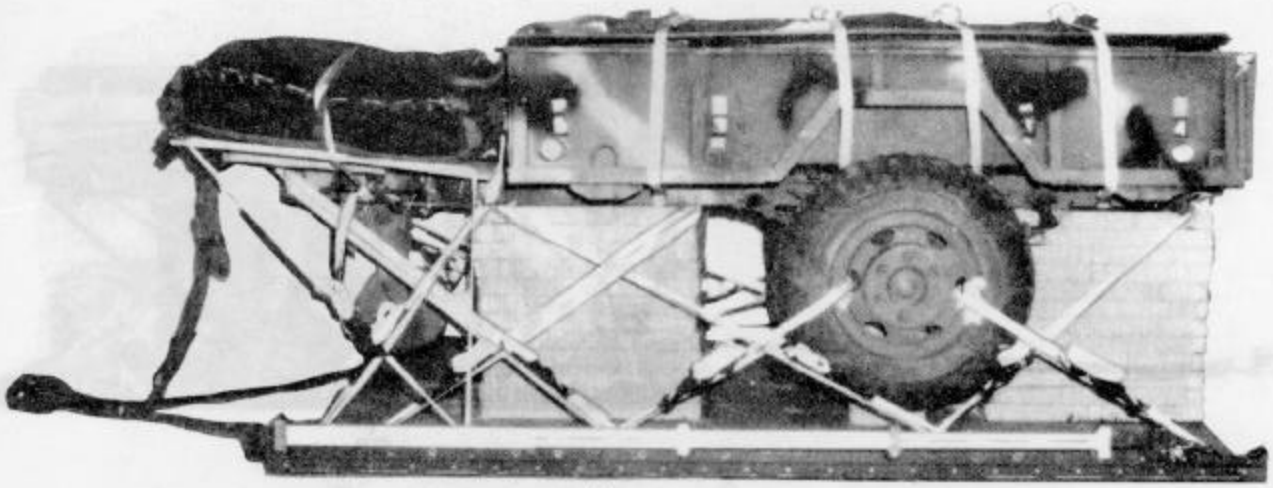
Platform: 12-foot modular

Cargo Parachutes: One G-11A or two G-11A; or one G-11B or two G-11B

***Includes 2,200 pounds of accompanying load.**

Figure 3-62. 3/4-ton cargo trailer.

M104 or M105A1, 1 1/2-TON CARGO TRAILER



CB

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

	Trailer Without Accompanying Load	Trailer With 3,000-Pound Accompanying Load
Weight	3,780 pounds	7,030 pounds
Height	76 inches	76 inches
Width	108 inches	108 inches
Length	166 inches	166 inches
Overhang: Front	0 inch	0 inch
Overhang: Rear	22 inches	22 inches
CB (from front edge of platform)	68 inches	70 inches

Accompanying Load: Must not weigh more than 3,000 pounds or exceed trailer body weight.

Aircraft: C-130 and C-141

Extraction System: PEFTC (shown) or 60-inch SL/CS

Extraction Parachute C-130: 15-foot

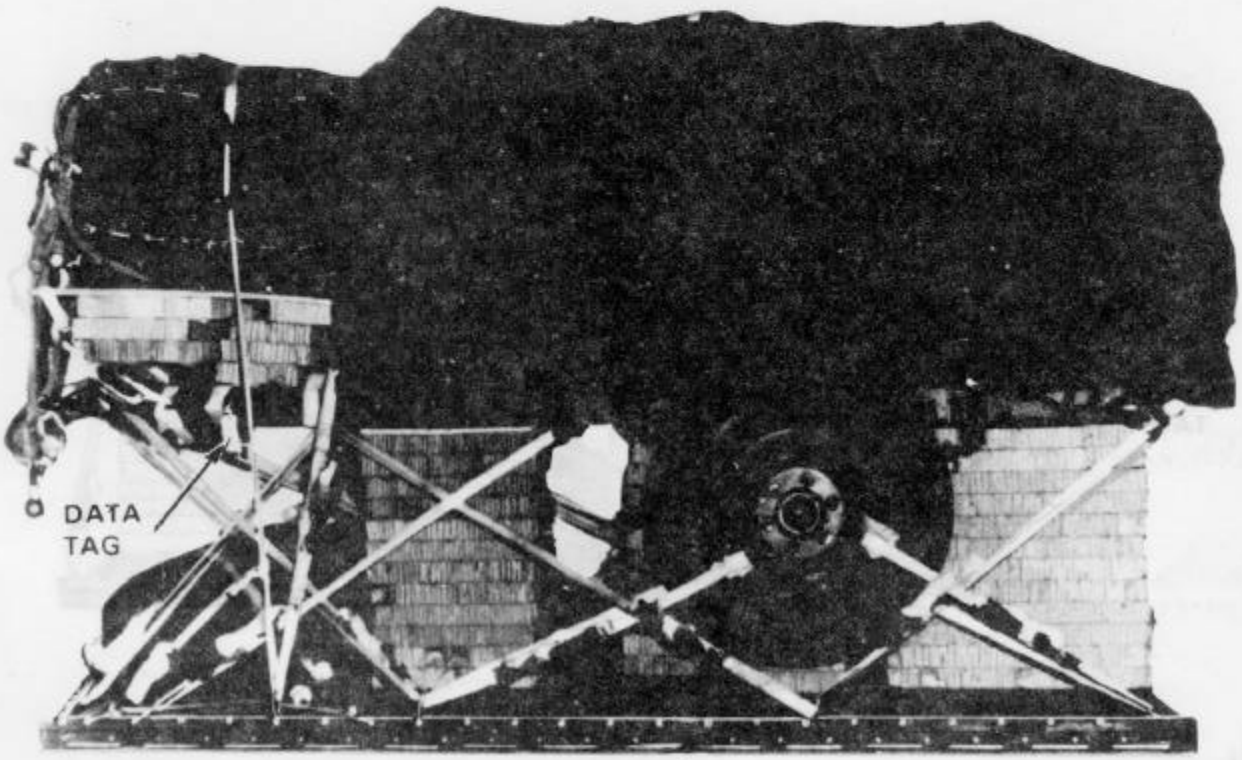
Extraction Parachute C-141: 15-foot

Platform: 12-foot modular

Cargo Parachutes: One G-11A or two G-11A; or one G-11B or two G-11B

Figure 3-63. M104 or M105A1, 1 1/2-ton cargo trailer.

CHEMICAL-BIOLOGICAL COLLECTIVE PROTECTION SHELTER



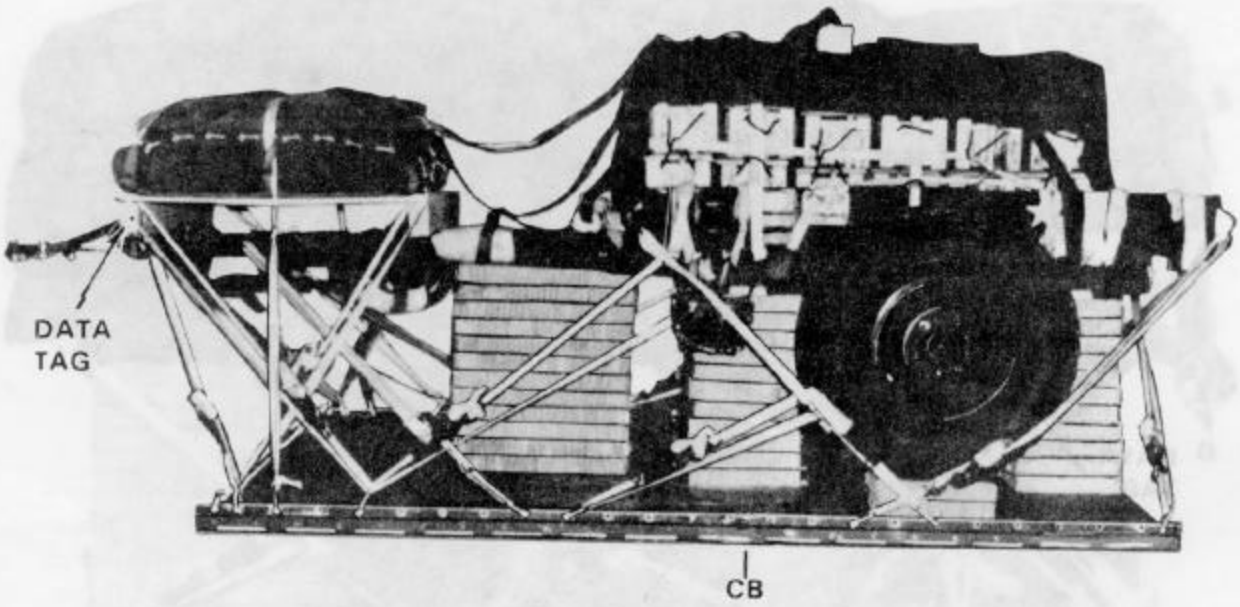
Reference: FM 10-532/TO 13C7-3-361

Weight	6,600 pounds
Height	108 inches
Width	98 inches
Length	168 inches
Overhang: Front	7 inches
Overhang: Rear	17 inches
CB (from front edge of platform)	58 inches

Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC and 60-inch SL/CS (shown)
Extraction Parachute C-130: 15-foot
Extraction Parachute C-141: 15-foot
Platform: 12-foot modular
Cargo Parachutes: Two G-11A

Figure 3-64. Chemical-biological collective protection shelter.

POLE-TYPE UTILITY TRAILER



Reference: FM 10-556/TO 13C7-3-91

*Weight	5,470 pounds
Height	70 inches
Width	108 inches
Length	176 inches
Overhang: Front	13 inches
Overhang: Rear	19 inches
CB (from front edge of platform)	63 inches

Accompanying Load: Must weigh at least 500 pounds but no more than 5,000 pounds

Aircraft: C-130 and C-141

Extraction System: PEFTC w 12-foot cable (shown) or 60-inch SL/CS

Extraction Parachute C-130: 15-foot unreefed

Extraction Parachute C-141: 15-foot unreefed or reefed

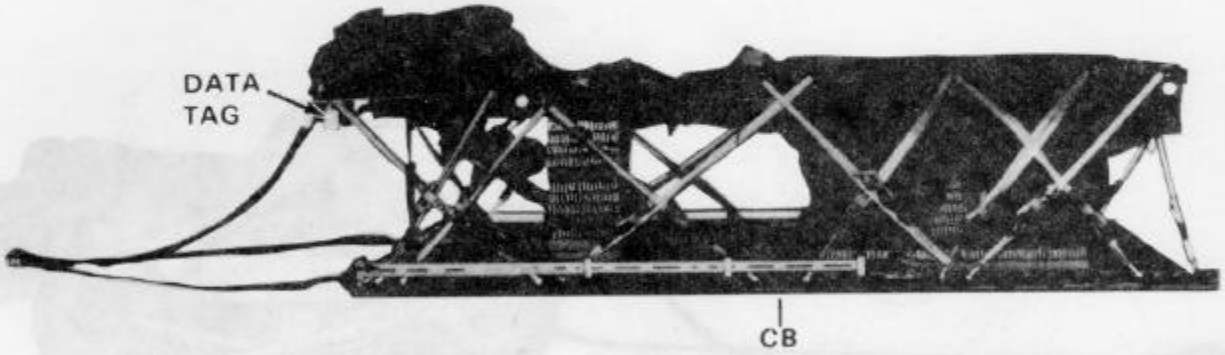
Platform: 12-foot modular

Cargo Parachutes: Two G-11A

*Includes 1,440 pounds of accompanying load.

Figure 3-65. Pole-type utility trailer.

M796 BOLSTER TRAILER



Reference: FM 10-556/TO 13C7-3-91

Weight ..... 6,340 pounds
Height ..... 65 inches
Width ..... 108 inches
Length ..... 211 inches
Overhang: Front ..... 0 inch
Overhang: Rear ..... 18 inches
CB (from front edge of platform) ..... 80 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot unreefed
Extraction Parachute C-141: 15-foot unreefed or reefed
Platform: 16-foot modular
Cargo Parachutes: Two G-11A

Figure 3-66. M796 bolster trailer.

M151 TRUCK ON 8-FOOT MODULAR PLATFORM

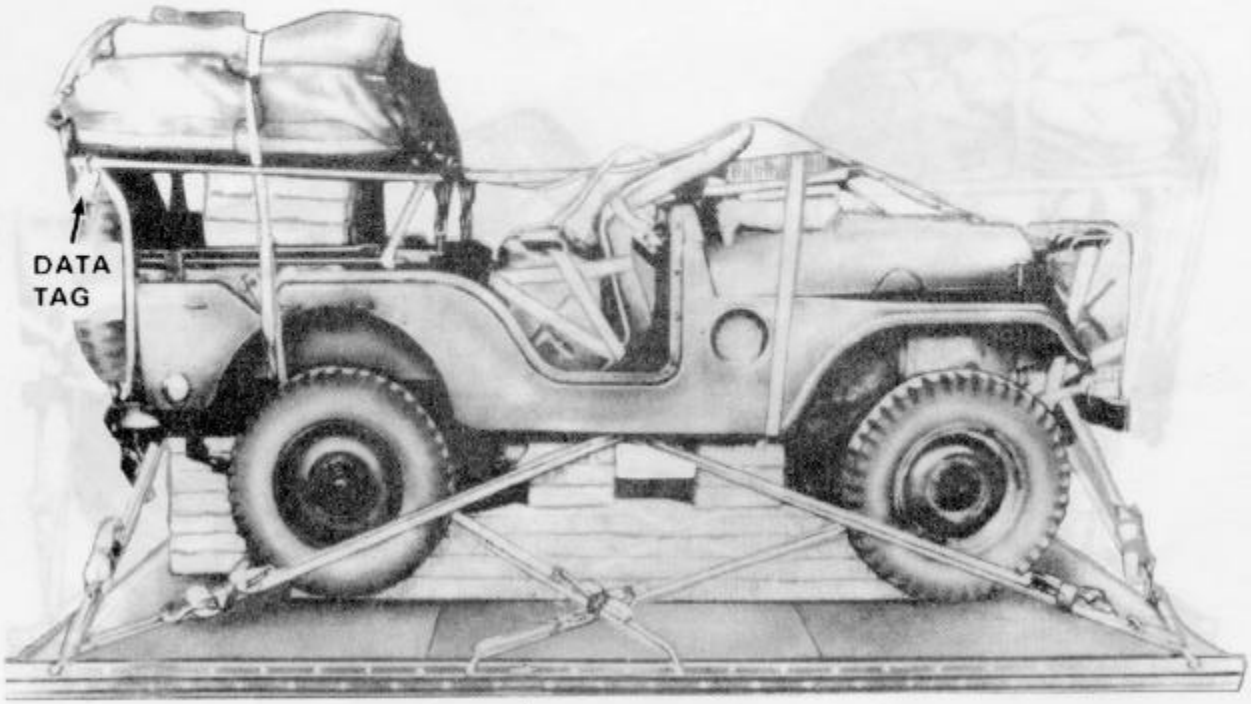
Reference: FM 10-510/TO 13C7-2-451

	With G-11A	With G-12D
Weight	3,088 pounds	3,240 pounds
Height	72 inches	80 inches
Width	108 inches	108 inches
Length	134 inches	134 inches
Overhang: Front	24 inches	24 inches
Overhang: Rear	14 inches	14 inches
CB (from front edge of platform)	53 inches	55 inches

Accompanying Load: Must not exceed 662 pounds
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 8-foot modular
Cargo Parachutes: One G-11A or three G-12D

Figure 3-67. M151 truck on 8-foot modular platform.

M38A1 TRUCK ON 12-FOOT MODULAR PLATFORM



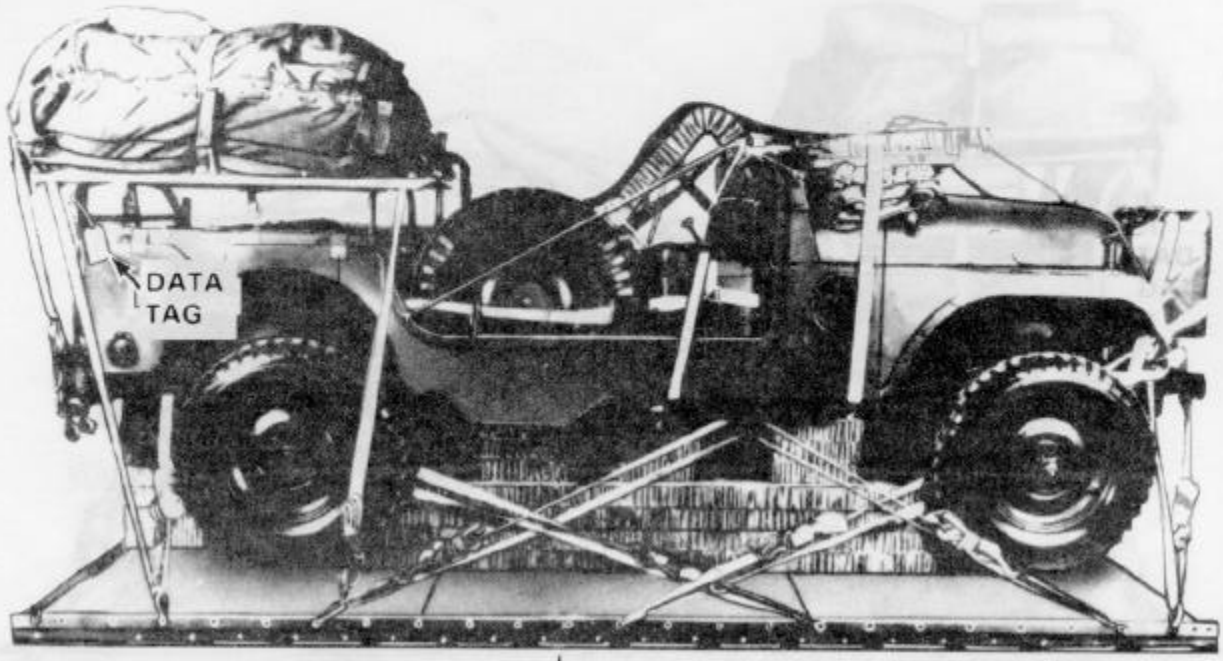
Reference: FM 10-510/TO 13C7-2-451

Weight	4,180 pounds
Height	78 inches
Width	108 inches
Length	144 inches
Overhang: Front	0 inch
Overhang: Rear	0 inch
CB (from front edge of platform)	84 inches

Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC or 60-inch SL/CS (shown)
Extraction Parachute C-130: 15-foot reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 12-foot modular
Cargo Parachutes: Two G-11A

Figure 3-68. M38A1 truck on 12-foot modular platform.

M170 FRONTLINE AMBULANCE



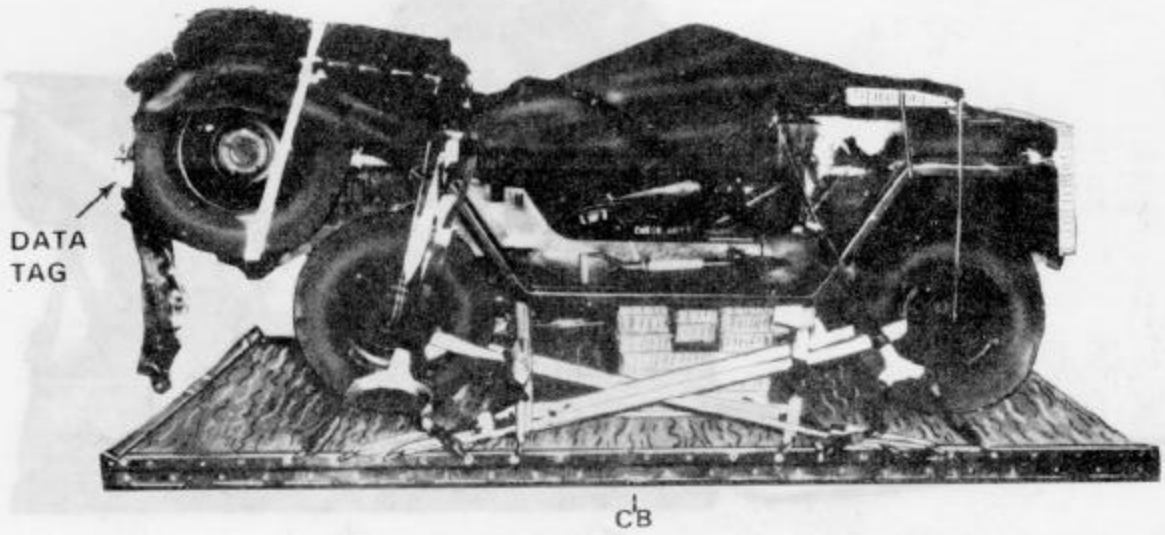
Reference: TM 10-500-66/TO 13C7-25-71

Weight	4,400 pounds
Height	77 inches
Width	108 inches
Length	161 inches
Overhang: Front	13 inches
Overhang: Rear	4 inches
CB (from front edge of platform)	79 inches

Accompanying Load: Four 5-gallon cans of gasoline
Aircraft: C-130 and C-141
Extraction System: 60-inch SL/CS
Extraction Parachute C-130: 15-foot reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 12-foot modular
Cargo Parachutes: Two G-11A

Figure 3-69. M170 frontline ambulance.

M718 FRONT-LINE AMBULANCE

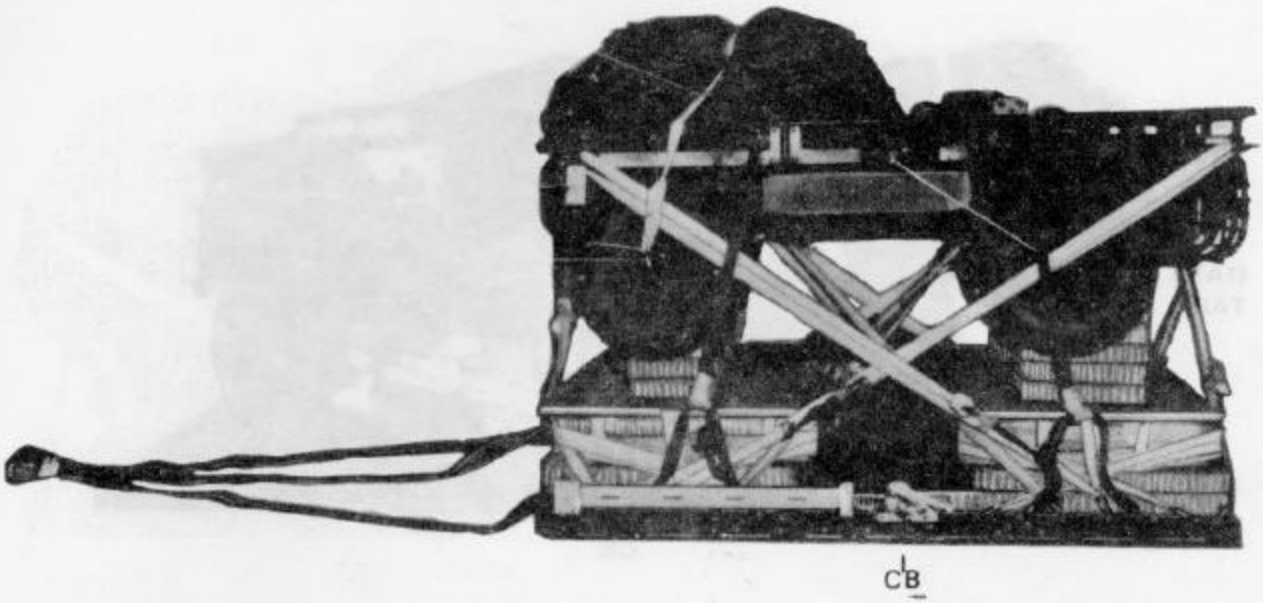


Reference: TM 10-500-66/TO 13C7-25-71

Weight ..... 4,285 pounds
Height ..... 73 inches
Width ..... 108 inches
Length ..... 148 inches
Overhang: Front ..... 0 inch
Overhang: Rear ..... 4 inches
CB (from front edge of platform) ..... 74 inches
Accompanying Load: Three 5-gallon cans of gasoline
Aircraft: C-130 and C-141
Extraction System: 60-inch SL/CS
Extraction Parachute C-130: 15-foot reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 12-foot modular
Cargo Parachutes: Two G-11A

Figure 3-70. M718 front-line ambulance.

TWO M274, 1/2-TON PLATFORM TRUCKS



Reference: FM 10-508/TO 13C7-2-491

***Weight**	4,500 pounds
Height	74 inches
Width	108 inches
Length	102 inches
Overhang: Front	3 inches
Overhang: Rear	3 inches
CB (from front edge of platform)	48 inches

Accompanying Load: No more than 1,700 pounds, and no less than 700 pounds w C-141

Aircraft: C-130 and C-141

Extraction System: PEFTC (shown) or 60-inch SL/CS

Extraction Parachute C-130: 15-foot unreefed or reefed

Extraction Parachute C-141: 15-foot reefed

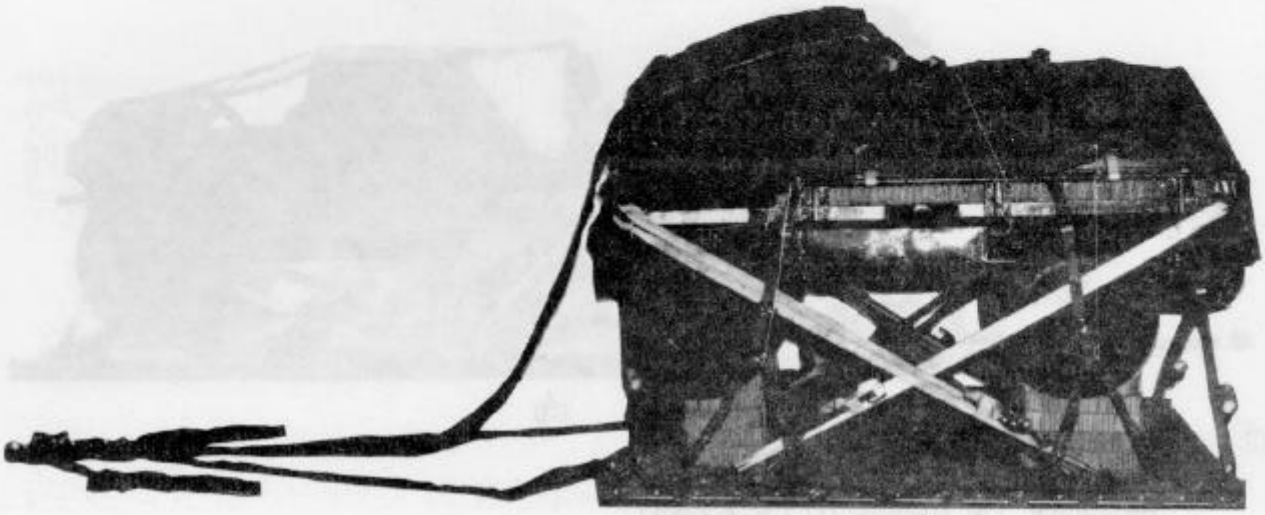
Platform: 8-foot modular

Cargo Parachutes: Two G-11A

***Includes 1,700 pounds of accompanying load.**

Figure 3-71. Two M274, 1/2-ton platform trucks.

TWO M274, 1/2-TON TRUCKS WITH RADAR SET AND RATIONS



CB

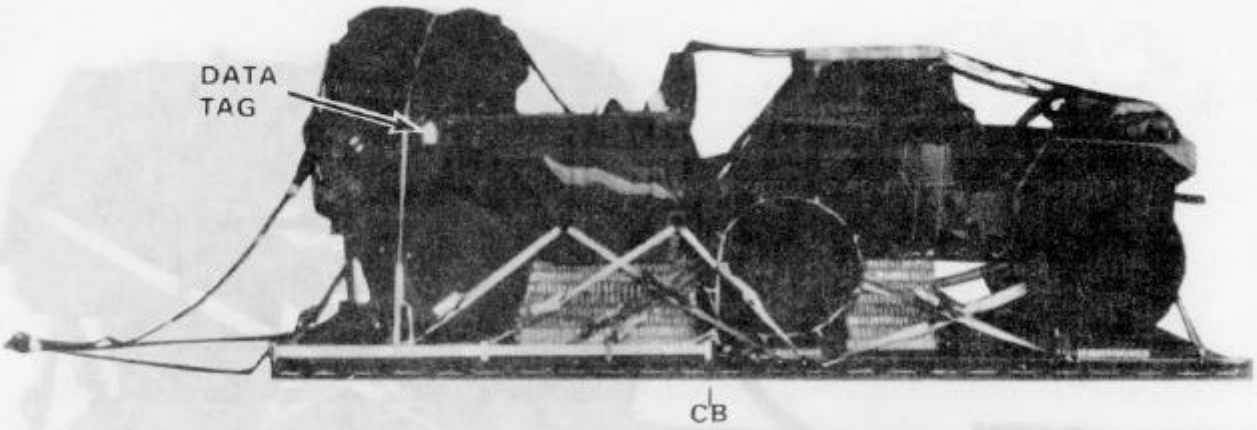
Reference: FM 10-508/TO 13C7-2-491

Weight	3,345 pounds
Height	74 inches
Width	108 inches
Length	102 inches
Overhang: Front	3 inches
Overhang: Rear	3 inches
CB (from front edge of platform)	48 inches

Accompanying Load: Radar and rations
Aircraft: C-130 and C-141
Extraction System: PEFTC or 60-inch SL/CS (shown)
Extraction Parachute C-130: 15-foot reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 8-foot modular
Cargo Parachutes: One G-11A

Figure 3-72. Two M274, 1/2-ton trucks with radar set and rations.

M561, 1 1/4-TON CARGO TRUCK



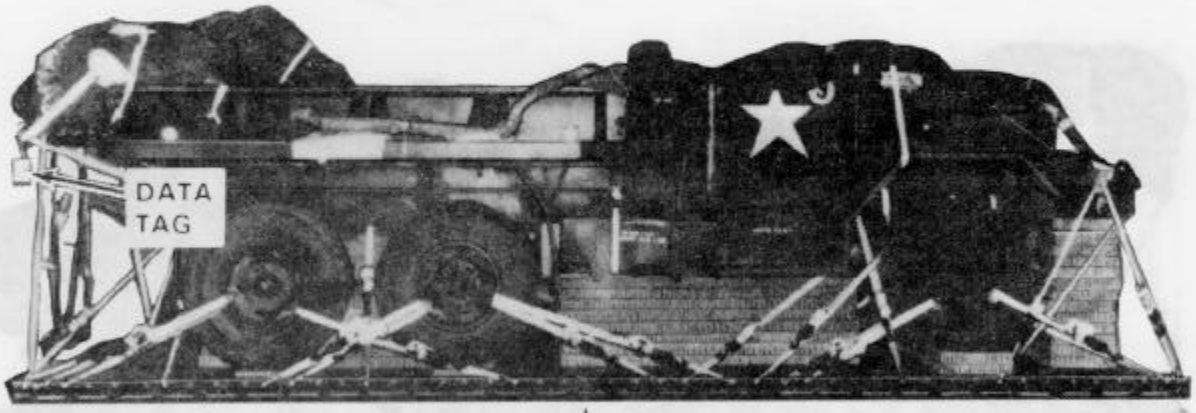
Reference: FM 10-508/TO 13C7-2-491

Weight	8,920 pounds
Height	94 inches
Width	108 inches
Length	240 inches
Overhang: Front	0 inch
Overhang: Rear	0 inch
CB (from front edge of platform)	124 inches

Accompanying Load: No more than 2,500 pounds may be dropped as part of this load.
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS w C-141;
120-inch SL/CS w C-130
Extraction Parachute C-130: 22-foot
Extraction Parachute C-141: 15-foot
Platform: 20-foot modular
Cargo Parachutes: Three G-11A or two G-11B

Figure 3-73. M561, 1 1/4-ton cargo truck.

M342A2,6X6 DUMP TRUCK

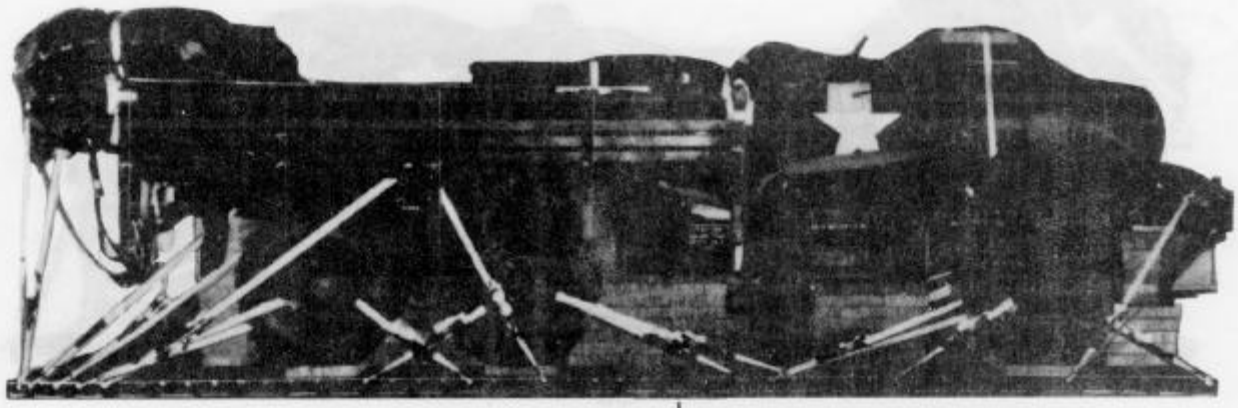


Reference: FM 10-520/TO 13C7-2-261

Weight ..... 18,200 pounds
Height ..... 96 inches
Width ..... 108 inches
Length ..... 295 inches
Overhang: Front ..... 0 inch
Overhang: Rear ..... 7 inches
CB (from front edge of platform) ..... 156 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: EFTC w 24-foot cable (shown) or 120-inch SL/CS
Extraction Parachute C-130: 28-foot
Extraction Parachute C-141: 22-foot or 28-foot
Platform: 24-foot modular
Cargo Parachutes: Five G-11A

Figure 3-74. M342A2, 6X6 dump truck.

M35A1 OR M35A2, 6X6 CARGO TRUCK



√Reference: FM 10-520/TO 13C7-2-261

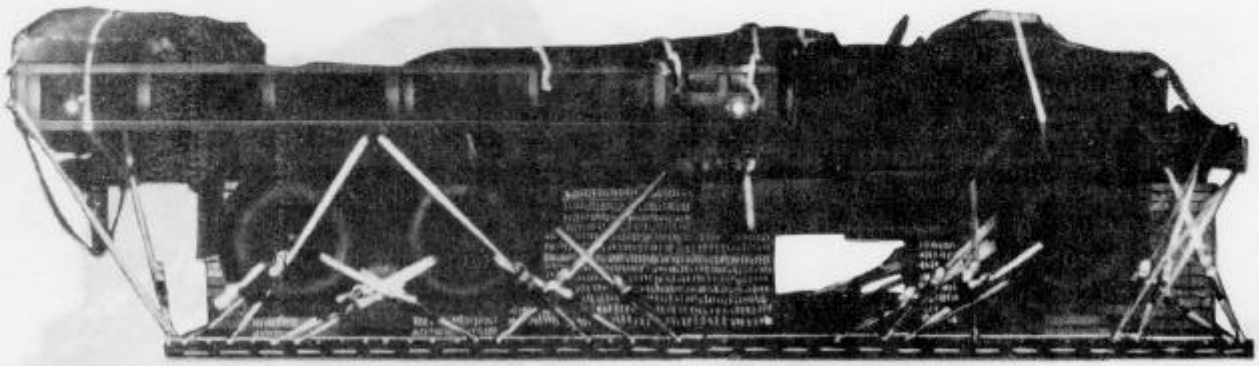
*Weight	18,817 pounds
Height	89 inches
Width	108 inches
Length	299 inches
Overhang: Front	11 inches
Overhang: Rear	0 inch
CB (from front edge of platform)	139 inches

Accompanying Load: Maximum weight must not exceed 2,500 pounds.
Aircraft: C-130 and C-141 (station loaded)
Extraction System: EFTC w 24-foot cable (shown) or 120-inch SL/CS
Extraction Parachute C-130: 28-foot
Extraction Parachute C-141: 28-foot
Platform: 24-foot modular
Cargo Parachutes: Six G-11A

*Includes 2,400 pounds of accompanying load

Figure 3-75. M35A1 or M35A2, 6X6 cargo truck.

M36A2, 6X6 CARGO TRUCK



Reference: FM 10-520/TO 13C7-2-261

*Weight	19,790 pounds
Height	97 inches
Width	108 inches
Length	343 inches
Overhang: Front	10 inches
Overhang: Rear	45 inches
CB (from front edge of platform)	148 inches

Accompanying Load: May not weigh more than 1,800 pounds. It must be more than 27 inches high, 76 inches long, and 87 inches wide

Aircraft: C-130 and C-141 (station loaded)

Extraction System: EFTC w 24-foot cable (shown) or 120-inch SL/CS

Extraction Parachute C-130: 28-foot

Extraction Parachute C-141: 28-foot

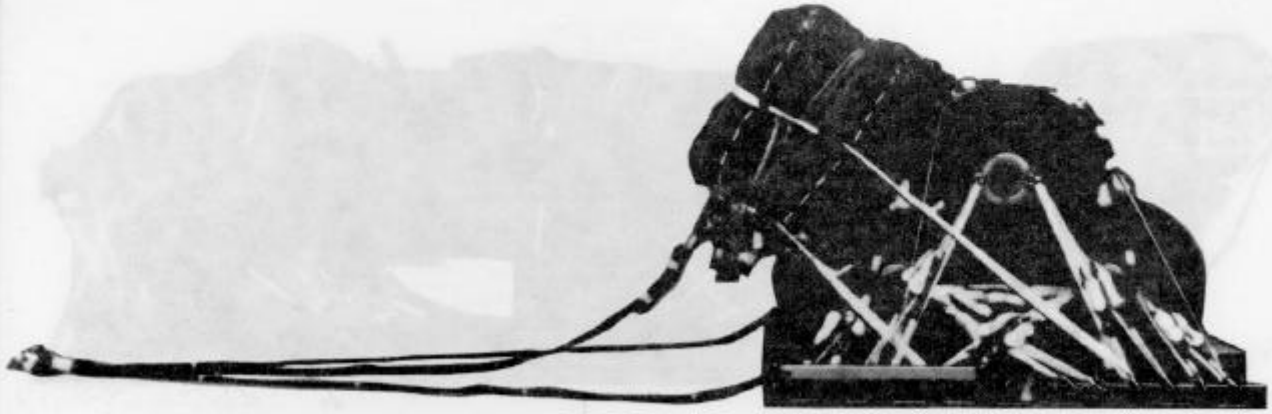
Platform: 24-foot modular

Cargo Parachutes: Six G-11A

*Includes 1,340 pounds of accompanying load.

Figure 3-76. M36A2, 6X6 cargo truck.

THREE WATER DRUMS ON 8-FOOT PLATFORM

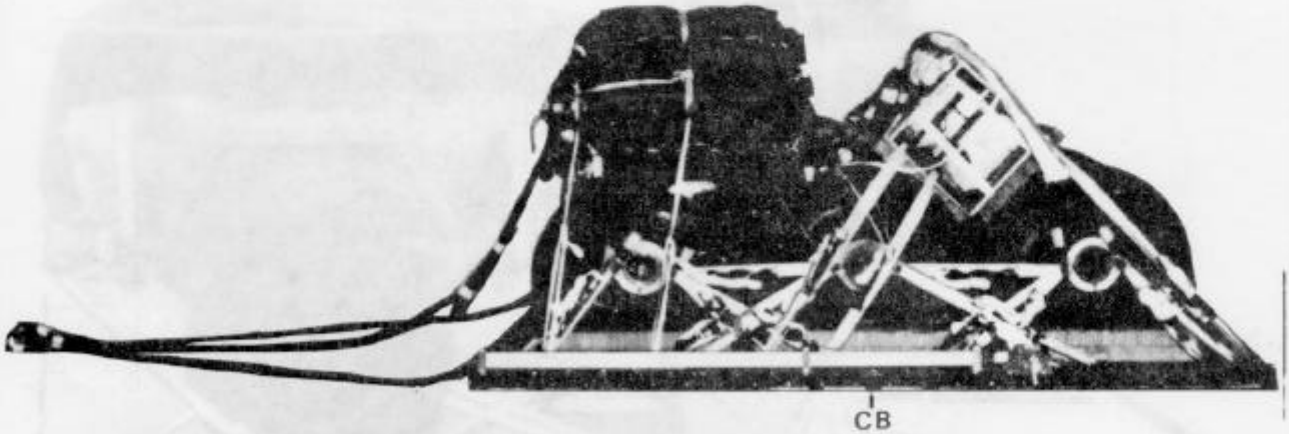


Reference: FM 10-522/TO 13C7-2-1001

Weight ..... 8,000 pounds
Height ..... 80 inches
Width ..... 108 inches
Length ..... 96 inches
Overhang: Front ..... 0 inch
Overhang: Rear ..... 0 inch
CB (from front edge of platform) ..... 52 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 120-inch SL/CS w C-130;
60-inch SL/CS w C-141
Extraction Parachute C-130: 22-foot
Extraction Parachute C-141: 15-foot
Platform: 8-foot modular
Cargo Parachutes: Three G-11A

Figure 3-77. Three water drums on 8-foot platform.

THREE WATER DRUMS ON 12-FOOT PLATFORM



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

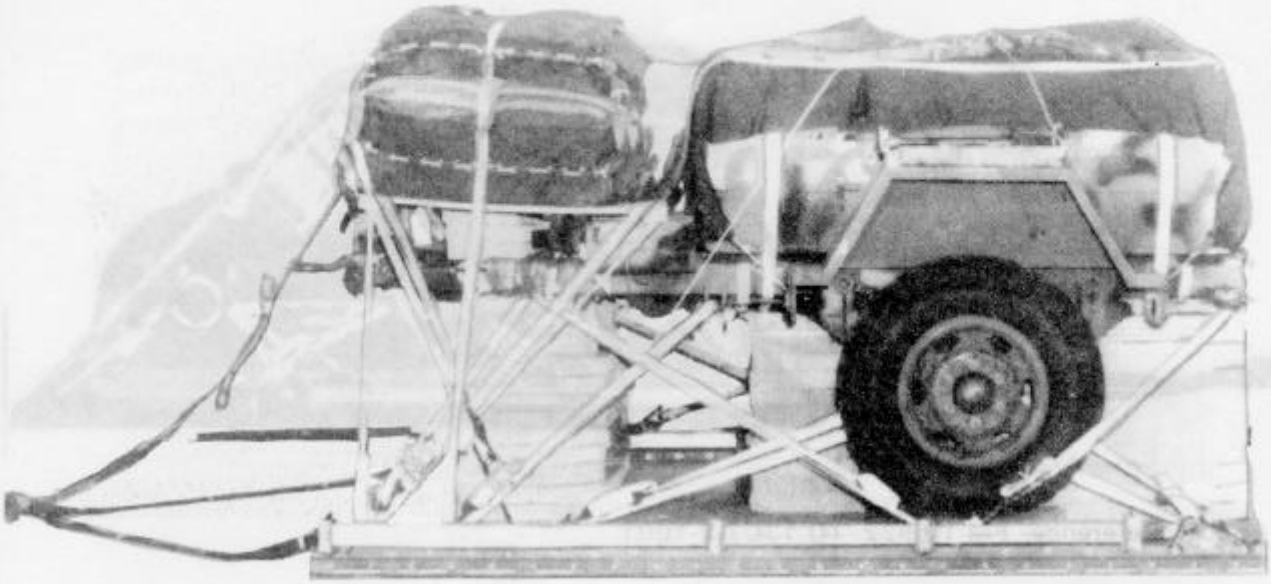
*Weight	8,240 pounds
Height	69 inches
Width	108 inches
Length	144 inches
Overhang: Front	0 inch
Overhang: Rear	0 inch
CB (from front edge of platform)	78 inches

Accompanying Load: 100-GPM pumping assembly
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 120-inch SL/CS w C-130;
60-inch SL/CS w C-141
Extraction Parachute C-130: 22-foot
Extraction Parachute C-141: 15-foot
Platform: 12-foot modular
Cargo Parachutes: Three G-11A

*Includes 2,200 pounds of accompanying load.

Figure 3-78. Three water drums on 12-foot platform.

400-GALLON-CAPACITY WATER TRAILER



CB

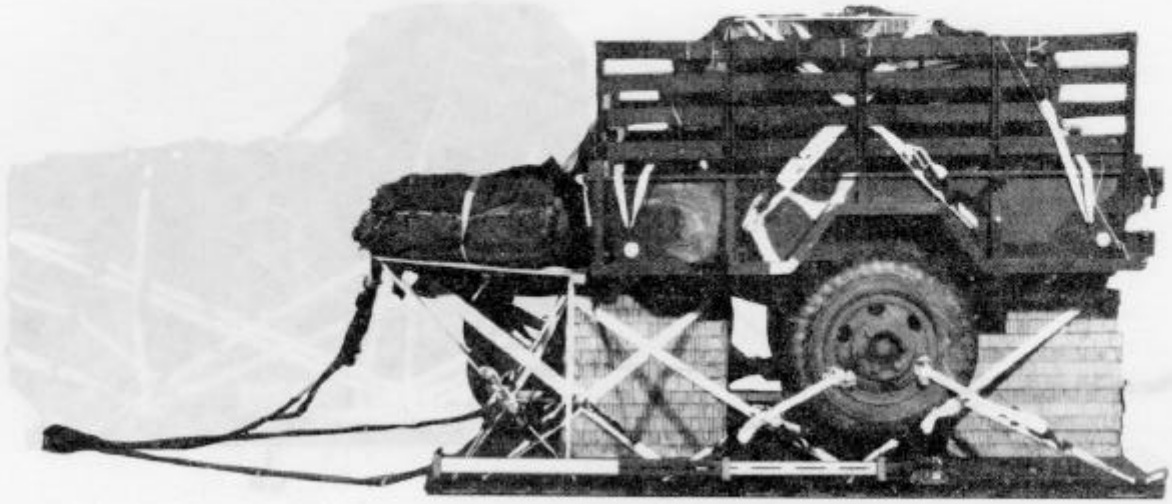
Reference: FM 10-532/TO 13C7-3-361

Weight	7,800 pounds
Height	90 inches
Width	108 inches
Length	162 inches
Overhang: Front	2 inches
Overhang: Rear	16 inches
CB (from front edge of platform)	70 inches

Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot
Extraction Parachute C-141: 15-foot
Platform: 12-foot modular
Cargo Parachutes: Three G-11A or two G-11B

Figure 3-79. 400-gallon-capacity water trailer.

420-GALLON-PER-HOUR WATER PURIFICATION UNIT



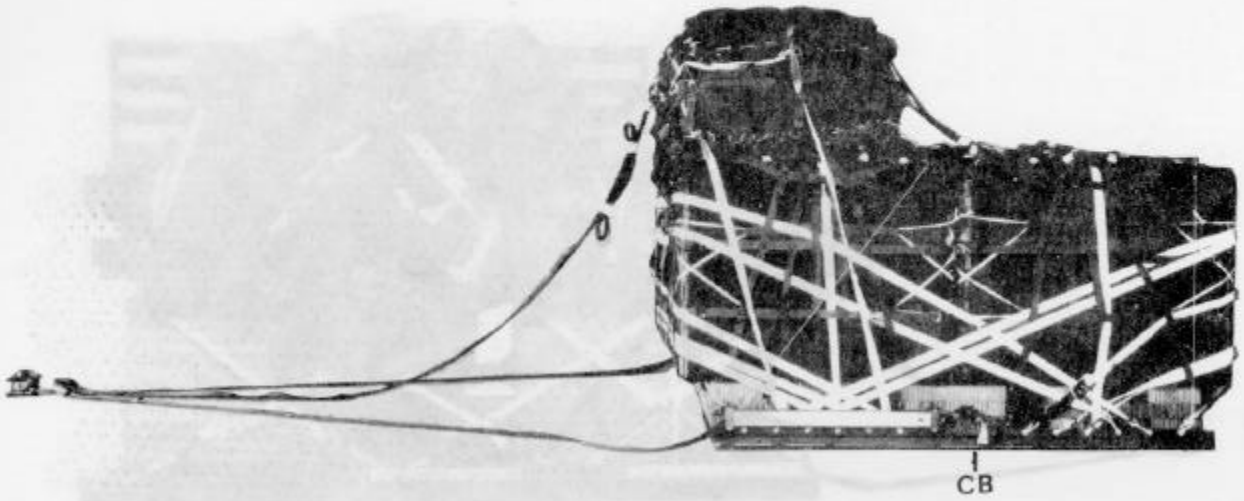
CB

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

Weight ..... 5,350 pounds
Height ..... 99 1/2 inches
Width ..... 108 inches
Length ..... 169 inches
Overhang: Front ..... 3 inches
Overhang: Rear ..... 22 inches
CB (from front edge of platform) ..... 71 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot unreefed
Extraction Parachute C-141: 15-foot unreefed
Platform: 12-foot modular
Cargo Parachutes: Two G-11A or one G-11B

Figure 3-80. 420-gallon-per-hour water purification unit.

MILK-DISPENSING CONTAINERS ON 8-FOOT PLATFORMS

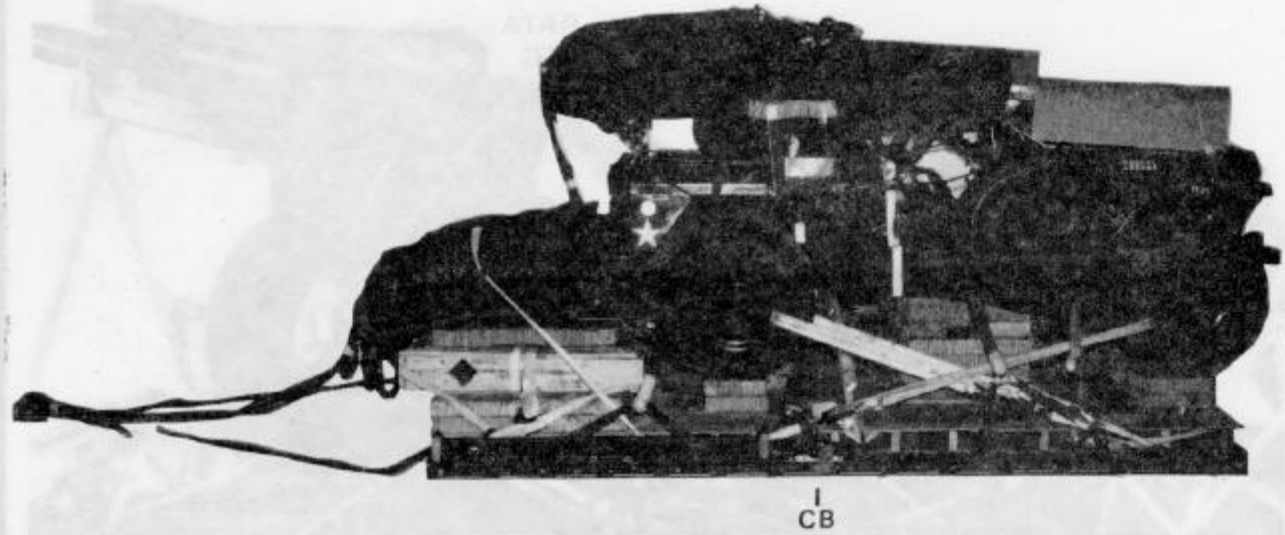


Reference: FM 10-522/TO 13C7-2-1001

Weight ..... 9,360 pounds
Height ..... 83 inches
Width ..... 108 inches
Length ..... 110 inches
Overhang: Front ..... 7 inches
Overhang: Rear ..... 7 inches
CB (from front edge of platform) ..... 51 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 22-foot
Extraction Parachute C-141: 15-foot
Platform: 8-foot modular
Cargo Parachutes: Three G-11A or two G-11B

Figure 3-81. Milk-dispensing containers on 8-foot platforms.

M40, 106-MM RECOILLESS RIFLE IN 1 1/4-TON UTILITY TRUCK

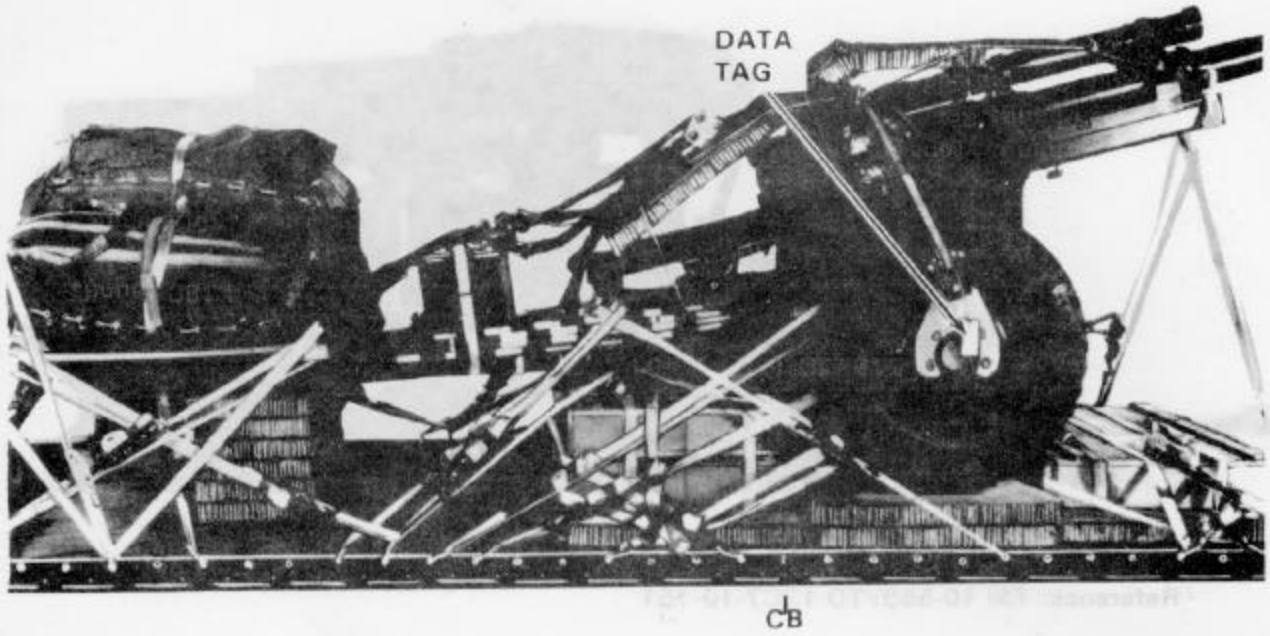


Reference: FM 10-559/TO 13C7-10-151

Weight ..... 5,640 pounds
Height ..... 92 inches
Width ..... 108 inches
Length ..... 169 inches
Overhang: Front ..... 8 inches
Overhang: Rear ..... 17 inches
CB (from front edge of platform) ..... 67 inches
Accompanying Load: The illustrated load consists of six boxes of 106-mm ammunition
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot unreefed
Extraction Parachute C-141: 15-foot unreefed or reefed
Platform: 12-foot modular
Cargo Parachutes: Two G-11A

Figure 3-82. M40, 106-mm recoilless rifle in 1 1/4-ton utility truck.

M101A1 HOWITZER

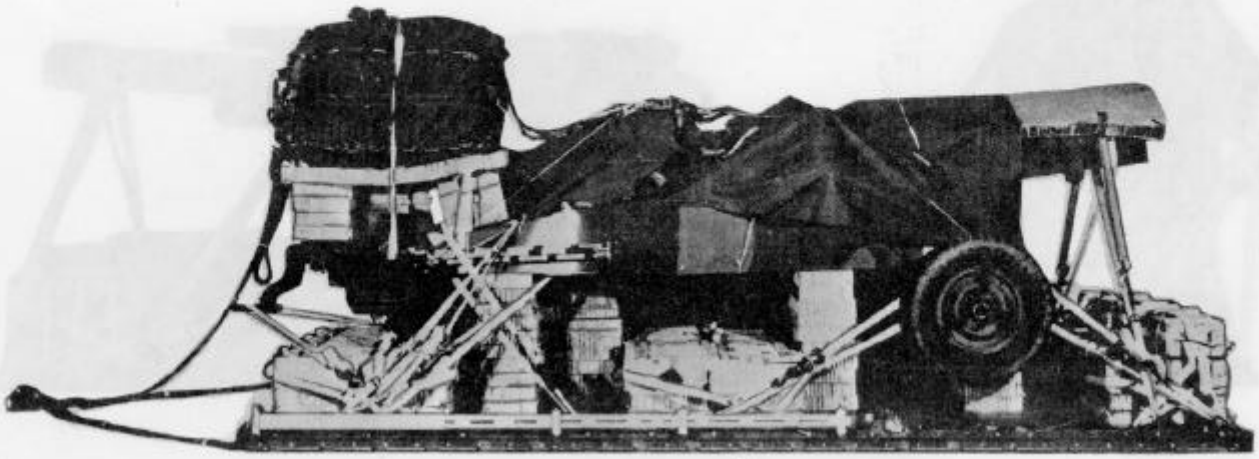


√**Reference: FM 10-519/TO 13C7-10-31**

Weight ..... 8,626 pounds
Height ..... 75 inches
Width ..... 108 inches
Length ..... 228 inches
  Overhang: Front ..... 22 inches
  Overhang: Rear ..... 14 inches
CB (from front edge of platform) ..... 78 inches
Accompanying Load: Illustrated load includes 1,800 pounds.
Aircraft: C-130 and C-141
Extraction System: 120-inch SL/CS w C-130 or 60-inch SL/CS w C-141
Extraction Parachute C-130: 22-foot
Extraction Parachute C-141: 15-foot
Platform: 16-foot modular
Cargo Parachutes: Two or three G-11A

Figure 3-83. M101A1 howitzer.

M102 HOWITZER



Reference: FM 10-519/TO 13C7-10-31

***Weight**	6,890 pounds
Height	84 inches
Width	108 inches
Length	208 inches
Overhang: Front	0 inch
Overhang: Rear	16 inches
CB (from front edge of platform)	98 inches

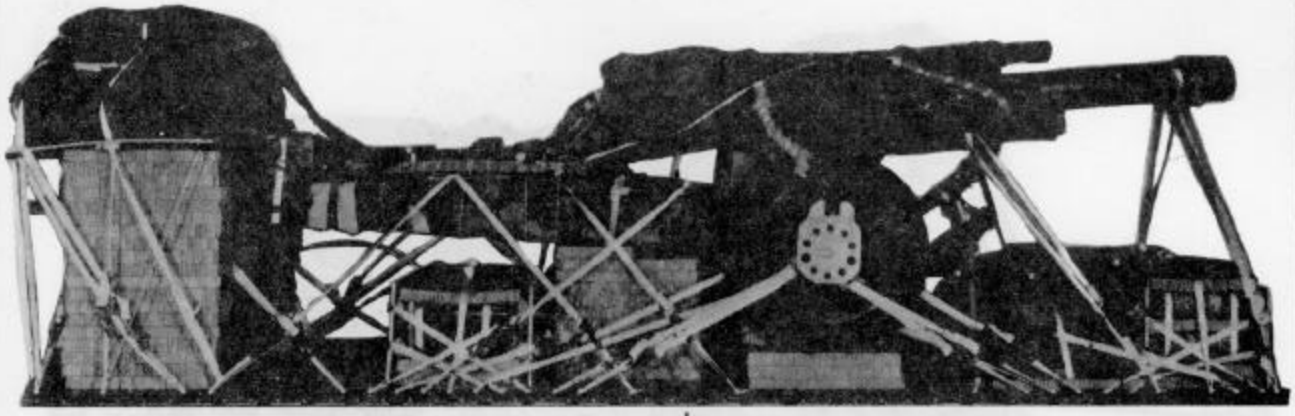
Accompanying Load: The minimum load is 208 pounds and the maximum is 2,100 pounds

Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot
Extraction Parachute C-141: 15-foot
Platform: 16-foot modular
Cargo Parachutes: Two G-11A or two G-11B

***Includes 1,934 pounds of accompanying load.**

Figure 3-84. M102 howitzer.

114A1, 155-MM HOWITZER



CB

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

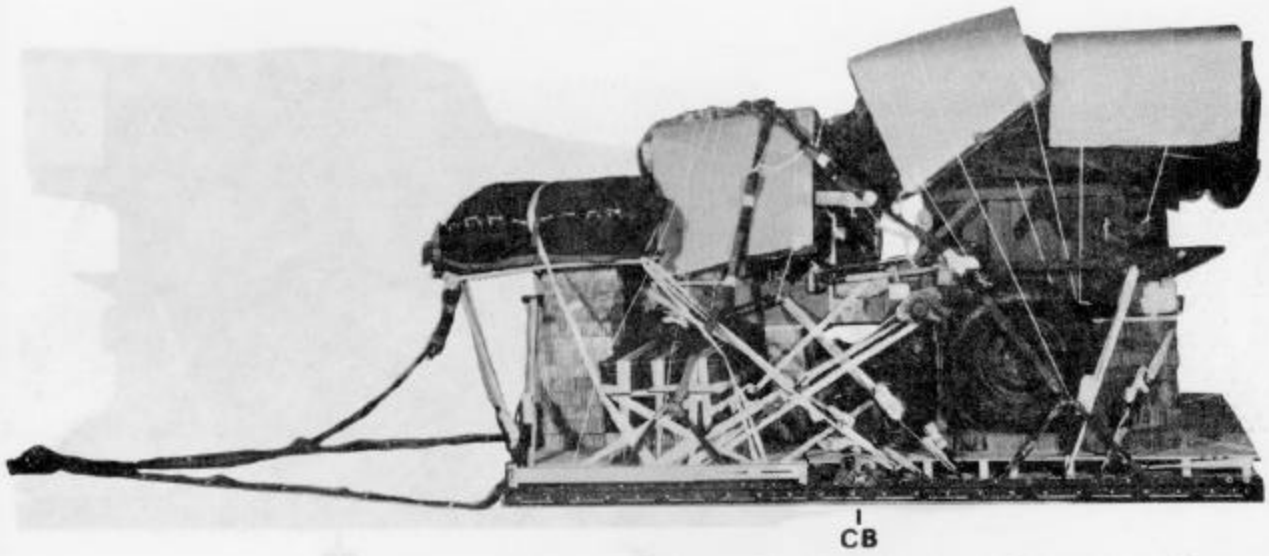
*Weight	19,512 pounds
Height	84 1/2 inches
Width	108 inches
Length	298 inches
Overhang: Front	0 inch
Overhang: Rear	10 inches
CB (from front edge of platform)	136 inches

Accompanying Load: Includes explosives
Aircraft: C-130 only
Extraction System: EFTC w 20-foot cable
Extraction Parachute C-130: 28-foot
Extraction Parachute C-141: None
Platform: 24-foot modular
Cargo Parachutes: Five G-11A

*Includes 3,292 pounds of accompanying load.

Figure 3-85. M114A1, 155-mm howitzer.

M167 GUN



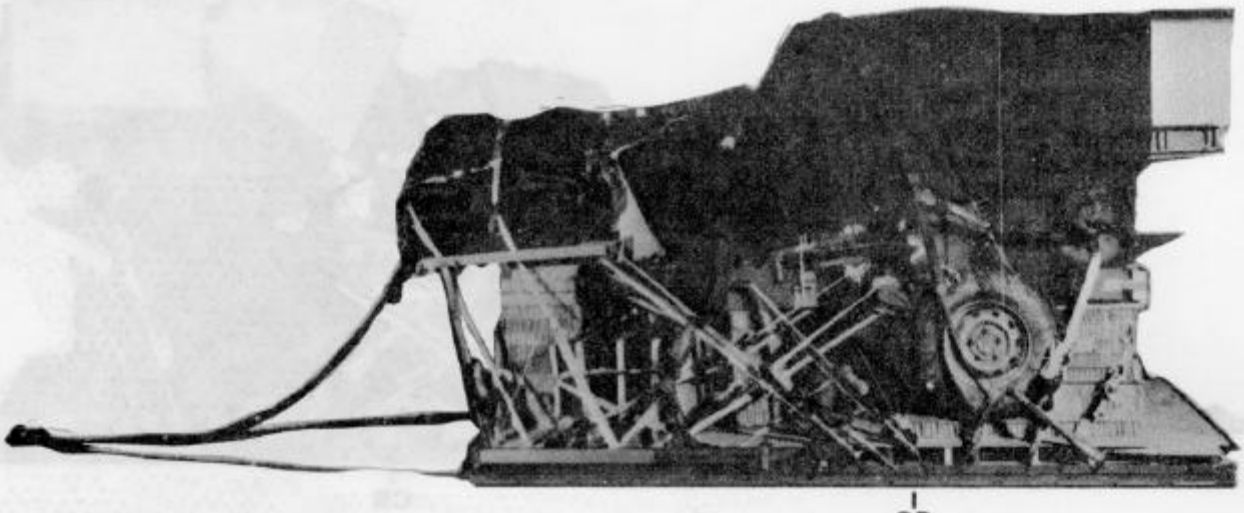
√**Reference: FM 10-534/TO 13C7-10-161**

Weight	6,740 pounds
Height	90 inches
Width	108 inches
Length	177 inches
Overhang: Front	4 inches
Overhang: Rear	29 inches
CB (from front edge of platform)	72 inches

Accompanying Load: A load of 1,500 pounds must be rigged as part of this load
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot
Extraction Parachute C-141: 15-foot
Platform: 12-foot modular
Cargo Parachutes: Two G-11A

Figure 3-86. M167 gun.

M167A1 GUN



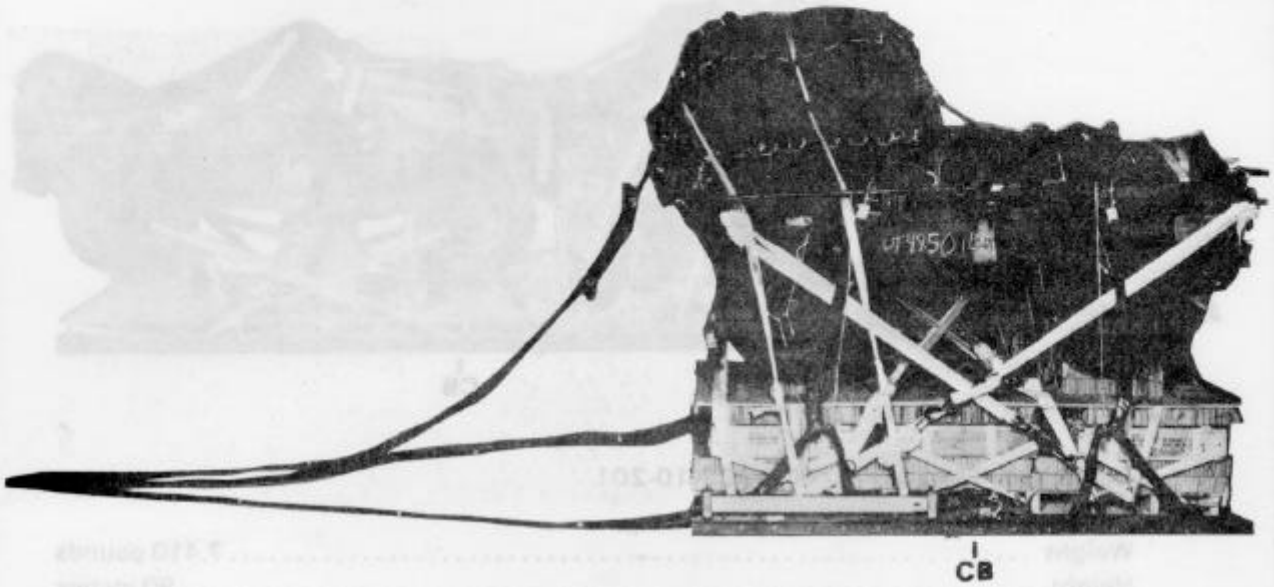
Reference: FM 10-534/TO 13C7-10-161

Weight	7,440 pounds
Height	84 inches
Width	108 inches
Length	180 inches
Overhang: Front	4 inches
Overhang: Rear	32 inches
CB (from front edge of platform)	84 inches

Accompanying Load: 15 boxes of 20-mm ammunition
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot
Extraction Parachute C-141: 15-foot
Platform: 12-foot modular
Cargo Parachutes: Three G-11A or two G-11B

Figure 3-87. M167A1 gun.

TWO M274, 1/2-TON PLATFORM TRUCKS WITH 81-MM MORTARS



√**Reference:** FM 10-508/TO 13C7-2-491

***Weight**	4,850 pounds
Height	95 inches
Width	108 inches
Length	102 inches
Overhang: Front	3 inches
Overhang: Rear	3 inches
CB (from front edge of platform)	48 inches

Accompanying Load: Includes ammunition, 81-mm mortars, and camouflage net assemblies

Aircraft: C-130 and C-141

Extraction System: PEFTC (shown) or 60-inch SL/CS

Extraction Parachute C-130: 15-foot reefed or unreefed

Extraction Parachute C-141: 15-foot reefed

Platform: 8-foot modular

Cargo Parachutes: Two G-11A or one G-11B

***Includes 1,404 pounds of accompanying load.**

Figure 3-88. Two M274, 1/2-ton trucks with 81-mm mortars.

4.2-INCH MORTAR

√ **Reference: FM 10-545/TO 13C7-10-201**

Weight	7,410 pounds
Height	90 inches
Width	108 inches
Length	239 inches
Overhang: Front	14 inches
Overhang: Rear	33 inches
CB (from front edge of platform)	104 inches

Accompanying Load: Must be rigged with 14 boxes of 4.2-inch mortar ammunition

Aircraft: C-130 and C-141

Extraction System: PEFTC (shown) or 60-inch SL/CS

Extraction Parachute C-130: 15-foot

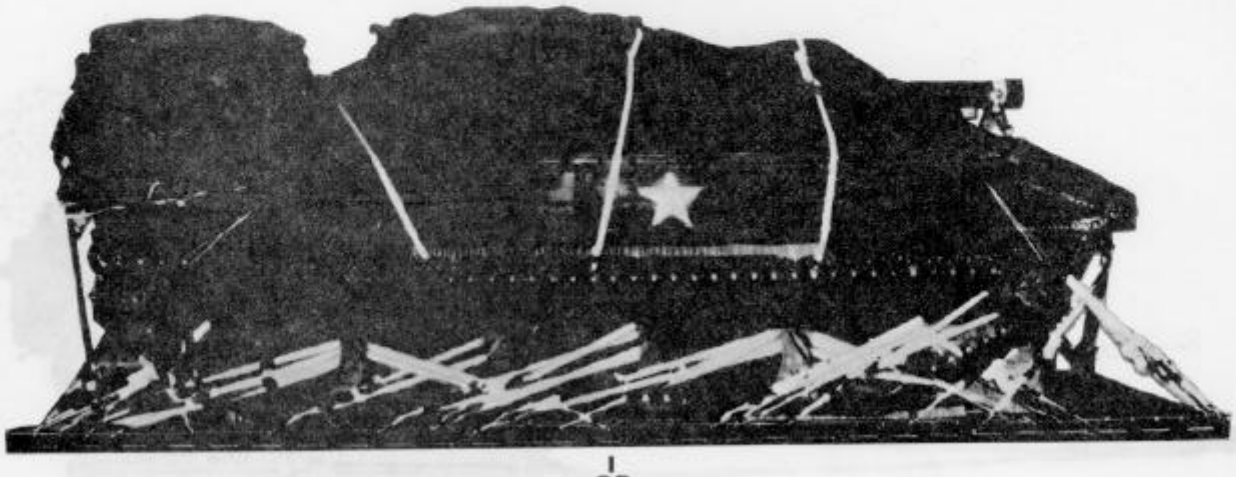
Extraction Parachute C-141: 15-foot

Platform: 16-foot modular

Cargo Parachutes: Two G-11A or two G-11B

Figure 3-89. 4.2-inch mortar.

ARMORED RECONNAISSANCE/AIRBORNE ASSAULT VEHICLE (ARAAV)



CB

Reference: FM 10-515/TO 13C7-10-181

Weight	35,765 pounds
Height	101 1/2 inches
Width	110 inches
Length	288 inches
Overhang: Front	1 inch
Overhang: Rear	1 inch
CB (from front edge of platform)	153 inches

Accompanying Load: None
Aircraft: C-130E with serial numbers G2-1784 or higher only
Extraction System: EFTC w 24-foot cable
Extraction Parachute C-130: Two 28-foot (modified)
Extraction Parachute C-141: None
Platform: 24-foot modular
Cargo Parachutes: Eight G-11A

Figure 3-90. Armored reconnaissance/airborne assault vehicle (ARAAV).

ONE REDEYE MISSILE IN THE 1/4-TON TRUCK

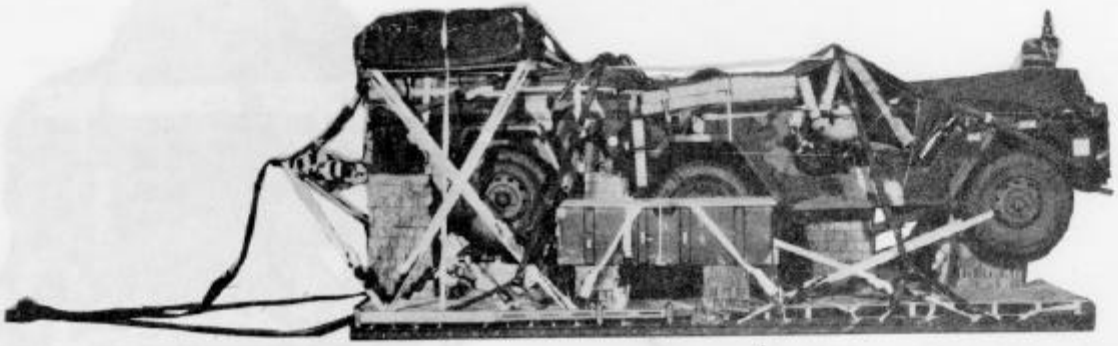
/Reference: FM 10-544/TO 13C7-22-51

Weight	3,336 pounds
Height	76 inches
Width	108 inches
Length	134 inches
Overhang: Front	24 inches
Overhang: Rear	14 inches
CB (from front edge of platform)	53 inches

Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 8-foot modular
Cargo Parachutes: One G-11A, one G-11B, or three G-12D

Figure 3-91. One redeye missile in the 1/4-ton truck.

REDEYE MISSILES IN 1/4-TON TRUCK AND 1/4-TON TRAILER



✓ **Reference: FM 10-544/TO 13C7-22-51**

***Weight**	7,070 pounds
Height	95 inches
Width	108 inches
Length	239 inches
Overhang: Front	14 inches
Overhang: Rear	33 inches
CB (from front edge of platform)	109 inches

Accompanying Load: Must weigh no more than 690 pounds and no less than 500 pounds

Aircraft: C-130 and C-141

Extraction System: PEFTC (shown) or 60-inch SL/CS

Extraction Parachute C-130: 15-foot

Extraction Parachute C-141: 15-foot

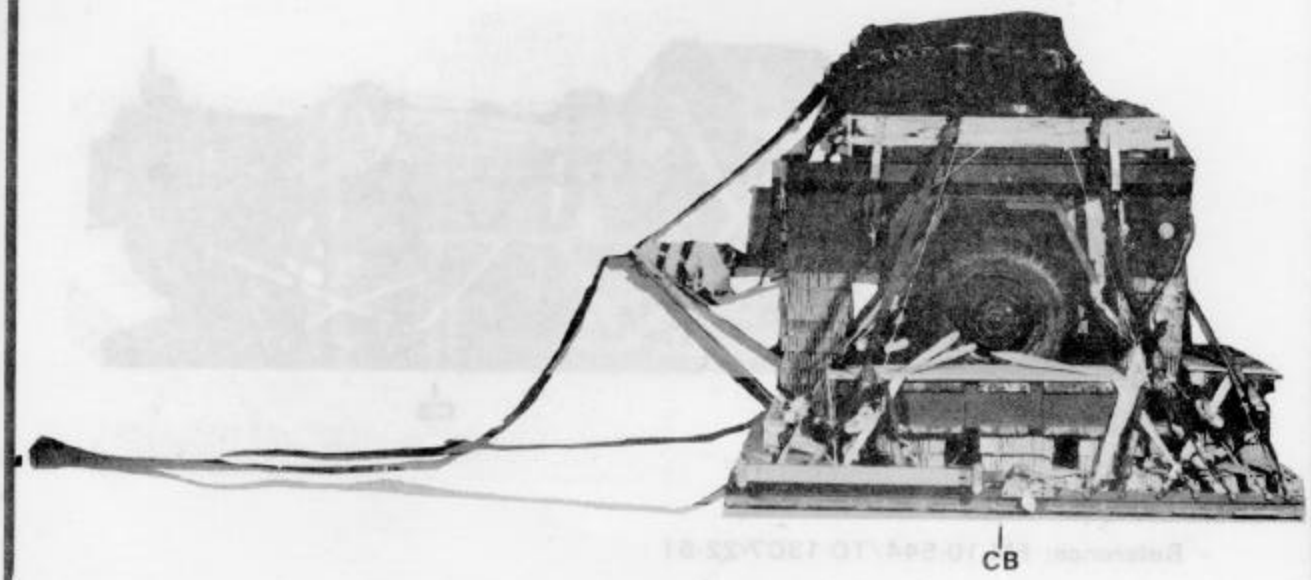
Platform: 16-foot modular

Cargo Parachutes: Two G-11A or two G-11B

***Includes 660 pounds of accompanying load.**

Figure 3-92. Redeye missiles in 1/4-ton truck and 1/4-ton trailer.

EIGHT REDEYE MISSILES IN 1/4-TON TRAILER



Reference: FM 10-544/TO 13C7-22-51

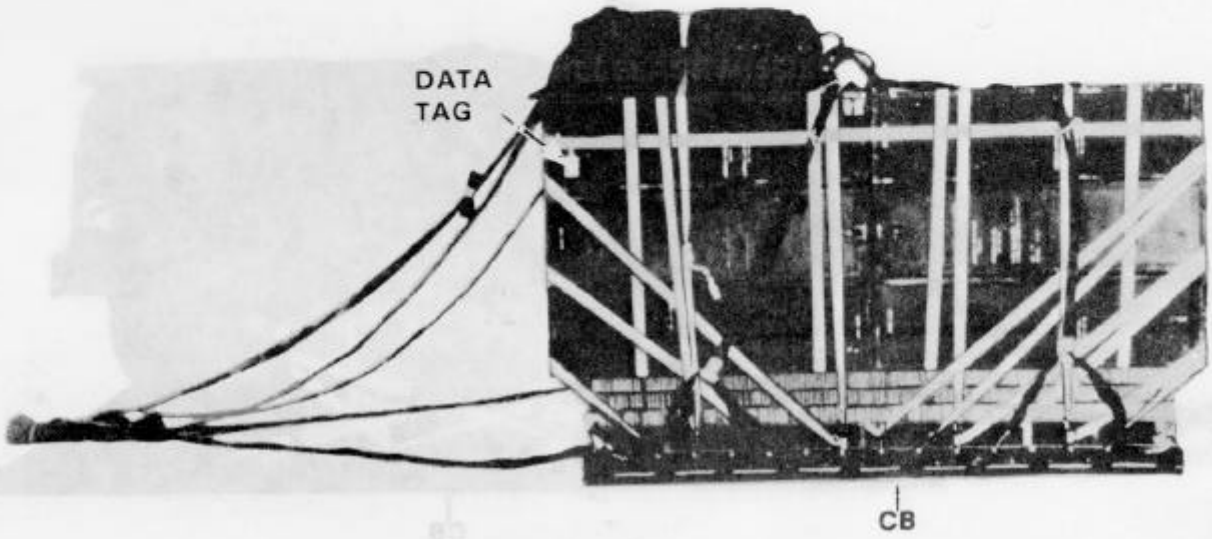
***Weight**	2,840 pounds
Height	87 inches
Width	108 inches
Length	123 inches
Overhang: Front	0 inch
Overhang: Rear	27 inches
CB (from front edge of platform)	47 inches

Accompanying Load: Requires a minimum of 670 pounds rigged on the platform
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 8-foot modular
Cargo Parachutes: One G-11A or one G-11B

***Includes 588 pounds of accompanying load.**

Figure 3-93. Eight redeye missiles in 1/4-ton trailer.

FORTY-TWO SHILLELAGH MISSILES

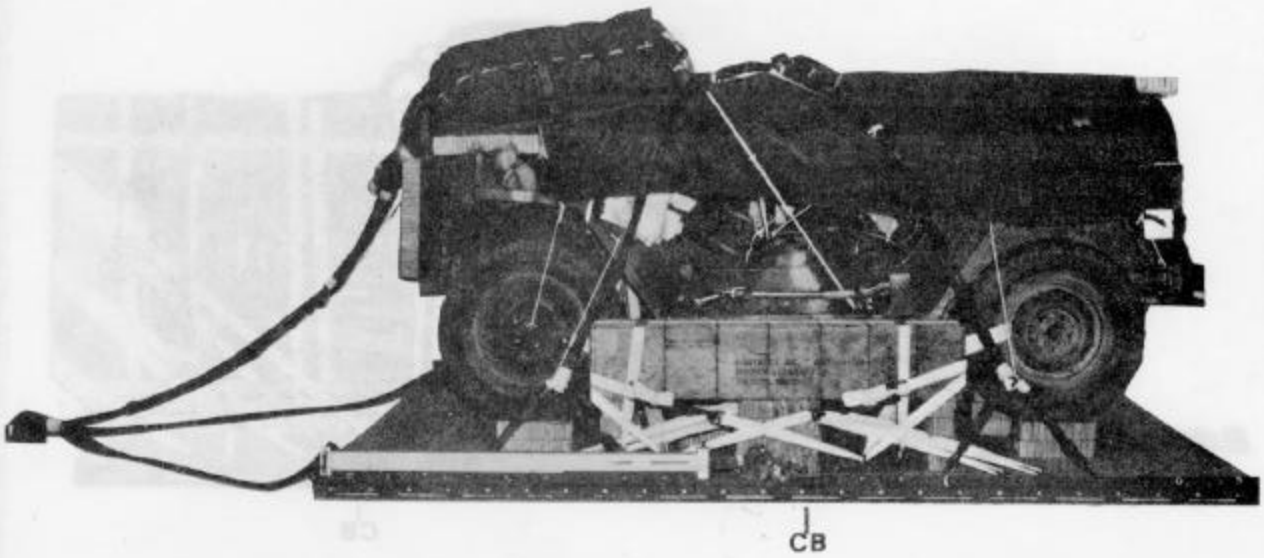


Reference: FM 10-515/TO 13C7-10-181

Weight ..... 5,560 pounds
Height ..... 58 inches
Width ..... 108 inches
Length ..... 104 inches
Overhang: Front ..... 4 inches
Overhang: Rear ..... 4 inches
CB (from front edge of platform) ..... 51 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: 60-inch SL/CS
Extraction Parachute C-130: 15-foot
Extraction Parachute C-141: 15-foot
Platform: 8-foot modular
Cargo Parachutes: Two G-11A

Figure 3-94. Forty-two shillelagh missiles.

1/4-TON TRUCK (FIRING VEHICLE) WITH MOUNTED TOW WEAPON SYSTEM

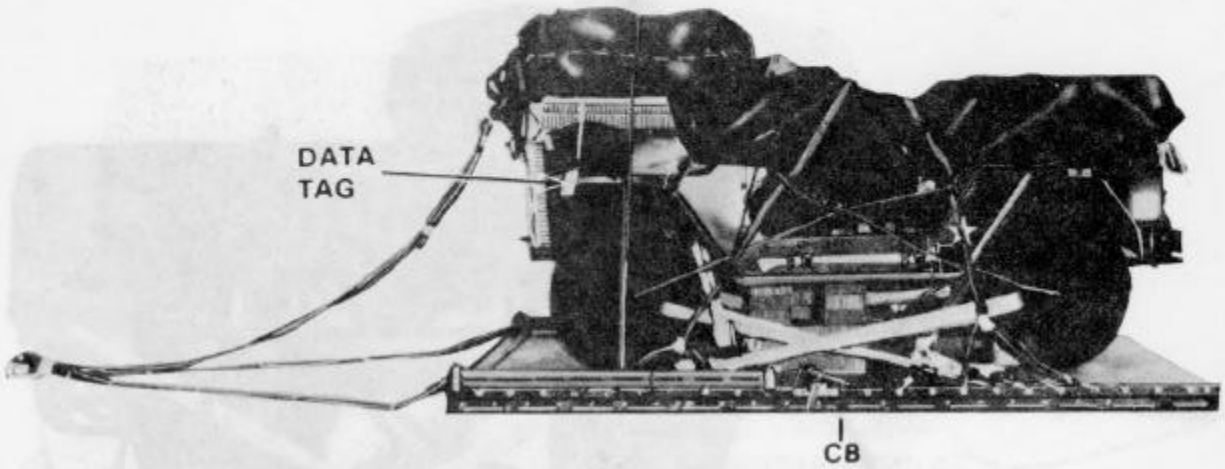


Reference: FM 10-529/TO 13C7-10-171

Weight ..... 4,100 pounds
Height ..... 76 inches
Width ..... 108 inches
Length ..... 144 inches
  Overhang: Front ..... 0 inch
  Overhang: Rear ..... 0 inch
CB (from front edge of platform) ..... 74 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot unreefed or reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 12-foot modular
Cargo Parachutes: Two G-11A or one G-11B

Figure 3-95. 1/4-ton truck (firing vehicle) with mounted TOW weapon system.

1/4-TON TRUCK (MISSILE CARRIER) AND SIX MISSILES

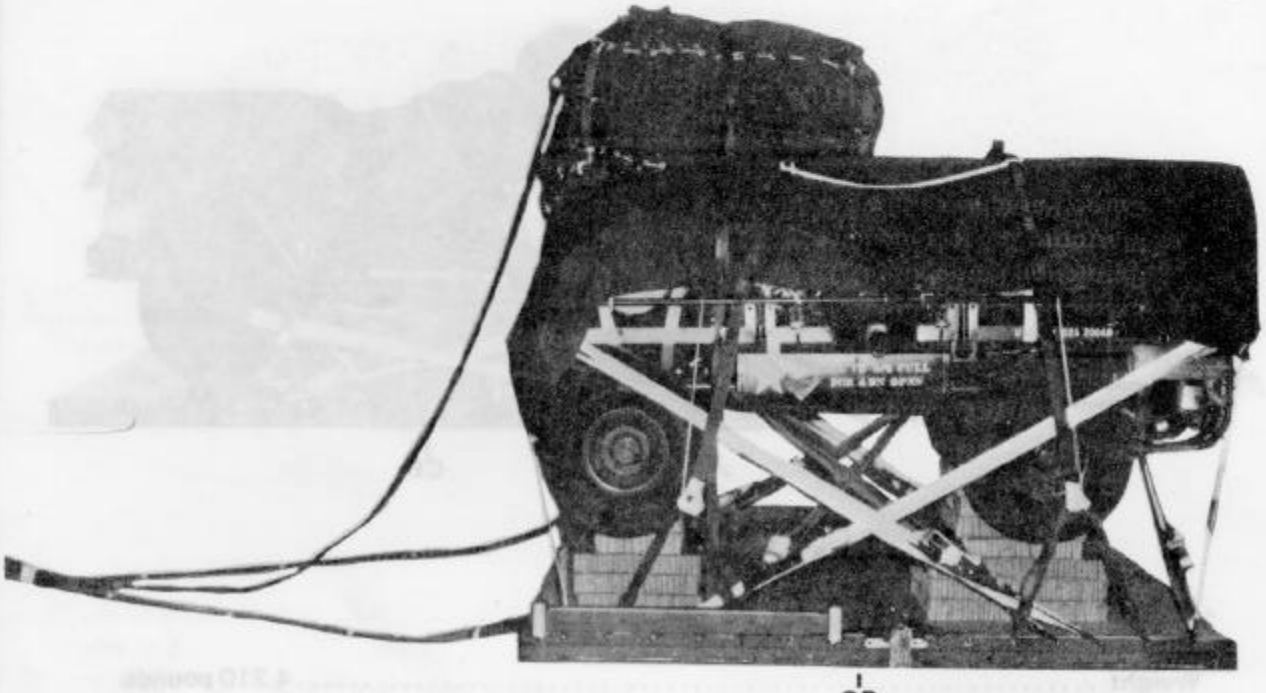


Reference: FM 10-529/TO 13C7-10-171

Weight ..... 4,210 pounds
Height ..... 72 inches
Width ..... 108 inches
Length ..... 144 inches
  Overhang: Front ..... 0 inch
  Overhang: Rear ..... 0 inch
CB (from front edge of platform) ..... 70 inches
Accompanying Load: None
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot unreefed or reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 12-foot modular
Cargo Parachutes: Two G-11A or one G-11B

Figure 3-96. 1/4-ton truck (missile carrier) and six missiles.

TWO M274A5, 1/2-TON PLATFORM TRUCKS WITH WEAPON SYSTEM



Reference: FM 10-529/TO 13C7-10-171

Weight ..... 4,250 pounds
Height ..... 75 inches
Width ..... 108 inches
Length ..... 102 inches
Overhang: Front ..... 3 inches
Overhang: Rear ..... 3 inches
CB (from front edge of platform) ..... 49 inches
Accompanying Load: Not to exceed 522 pounds on second truck
Aircraft: C-130 and C-141
Extraction System: PEFTC (shown) or 60-inch SL/CS
Extraction Parachute C-130: 15-foot unreefed or reefed
Extraction Parachute C-141: 15-foot reefed
Platform: 8-foot
Cargo Parachutes: Two G-11A or one G-11B

Figure 3-97. Two M274A5, 1/2-ton platform trucks with TOW weapon system.

FM 10-516/TO 13C7-1-13

31 OCTOBER 1983

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

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Major General, United States Army
The Adjutant General

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GLOSSARY

approx	approximate
ARAAV	armored reconnaissance/airborne assault vehicle
bbl	barrel
CB	center of balance
cu	cubic
d	penny
DOD	Department of Defense
EFTC	extraction force transfer coupling
ft	feet/foot
GPM	gallons per minute
ID	inner diameter
in	inch
LAPE	low-altitude parachute-extraction
lb	pound
lin	linear
min	minimum
mm	millimeter
no	number
OD	outside diameter
oz	ounce
PEFTC	extraction force transfer coupling (platform)
SL/CS	static line/connector strap
sq	square
tn	ton
TOW	tube-launched, optically tracked, wire-guided missile
w	with
yd	yard

REFERENCES

AFR 71-4/TM 38-250	**Packaging and Materials Handling:** Preparation of Hazardous Materials for Military Air Shipment
FM 10-500/TO 13C7-1-5	**Airdrop of Supplies and Equipment:** General Information for Rigging Airdrop Platforms
FM 10-501/TO 13C7-1-11	**Airdrop of Supplies and Equipment:** Rigging Containers
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FM 10-513/TO 13C7-3-51	**Airdrop of Supplies and Equipment:** Rigging 3/4-Ton Cargo Trailers
FM 10-515/TO 13C7-10-181	**Airdrop of Supplies and Equipment:** Rigging Armored Reconnaissance/Airborne Assault Vehicle (M551)
FM 10-518/TO 13C7-3-371	**Airdrop of Supplies and Equipment:** Rigging 1/4-Ton Cargo Trailers
FM 10-519/TO 13C7-10-31	**Airdrop of Supplies and Equipment:** Rigging 105-mm Howitzers
FM 10-520/TO 13C7-2-261	**Airdrop of Supplies and Equipment:** Rigging 2 1/2-Ton Trucks
FM 10-521/TO 13C7-6-21	**Airdrop of Supplies and Equipment:** Rigging Full-Tracked Tractors
FM 10-522/TO 13C7-2-1001	**Airdrop of Supplies and Equipment:** Rigging Potable Water
FM 10-523/TO 13C7-14-461	**Airdrop of Supplies and Equipment:** Rigging Air Force Communication Control Vehicles
FM 10-524/TO 13C7-14-471	**Airdrop of Supplies and Equipment:** Rigging Communications Shelters and Power Unit
FM 10-525/TO 13C5-1-15	**Airdrop of Supplies and Equipment:** Rigging Road Graders
FM 10-527/TO 13C7-10-191	**Airdrop of Supplies and Equipment:** Rigging 155-mm Howitzer
FM 10-528/TO 13C7-26-71	**Airdrop of Supplies and Equipment:** Rigging Road Rollers
FM 10-529/TO 13C7-10-171	**Airdrop of Supplies and Equipment:** Rigging Heavy Antitank Assault Weapon System (TOW)

FM 10-530/TO 13C7-27-121	**Airdrop of Supplies and Equipment**: Rigging Earthmoving Scrapers
FM 10-531/TO 13C7-54-1	**Airdrop of Supplies and Equipment**: Rigging 6,000-Pound Capacity Forklift Truck
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 (Vulcan)
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FM 10-540/TO 13C7-3-381	**Airdrop of Supplies and Equipment**: Rigging Tilt Trailers
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FM 10-544/TO 13C7-22-51	**Airdrop of Supplies and Equipment**: Rigging Redeye Missiles
FM 10-545/TO 13C7-10-201	**Airdrop of Supplies and Equipment**: Rigging 4.2-Inch Mortar
FM 10-546/TO 13C7-33-21	**Airdrop of Supplies and Equipment**: Rigging Aggregate Spreader and Heating Kettle Trailers
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FM 10-564/TO 13C7-37-1	**Airdrop of Supplies and Equipment**: Rigging Fuel Drums
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FM 10-591/TO 13C7-8-31	**Airdrop of Supplies and Equipment**: Rigging Trailer-Mounted Engineer Electrical Tool Outfits

FM 10-594/TO 13C7-31-21	**Airdrop of Supplies and Equipment:** Rigging Scoop-Type Loaders
TM 10-500-41/TO 13C7-11-21	**Airdrop of Supplies and Equipment:** Rigging Military Aluminum Bridges (Floating and Fixed)
TM 10-500-66/TO 13C7-25-71	**Airdrop of Supplies and Equipment:** Rigging 1/4-Ton Frontline Ambulance
TM 10-500-88/TO 13C7-28-21	**Airdrop of Supplies and Equipment:** Rigging 16-Foot Plastic Assault Boats

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LAPE

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