



## DESCRIPTION/SPECIFICATION

### VEHICLE:

An Eidal Cart Type Trailer identified:  
TRAILER: Generator, 15/30KW, 1 1/2 Ton, 4 Wheel  
Model EIC 80-0050-02

### SCOPE:

A hybrid commercial trailer utilizing standard U.S. military components where applicable.

### DESCRIPTIVE INFORMATION:

The electric generating set is diesel driven, 3 phase, 4 wire for continuous operation.

The specifications are general and are to be used as a guide. The trailer/generator set configuration is a low silhouette, providing a high degree of cross-country mobility and is capable of being towed by tactical trucks and full tracked combat vehicles configuration to be in accordance with EIC drawing 80-124 and general specifications described below.

### SPECIFICATIONS:

#### A. General Information

|                                 |                        |
|---------------------------------|------------------------|
| Overall trailer length:         | 180" (457.2 cm)        |
| Bed height:                     | 32" laden (81.28 cm)   |
| Bed width:                      | 95" (241.3 cm)         |
| Gross weight including payload: | 4,000 lbs. (1,815 kgs) |

#### B. Running Gear

|             |                                                |
|-------------|------------------------------------------------|
| Suspension: | Eidal CD-1 1/2 fixed multiple flat leaf spring |
| Axle:       | Tandem                                         |
| Tires:      | Four (4) super single 12-16.5                  |
| Wheels:     | 6 hole, 8.75" (222) dia. B.C.; Eidal disc      |
| Brakes:     | Air operated "S" camp type on each wheel       |



C. Frame

Fabricated, formed and structural steel.

Lunette (military). Adjustable to the following pintle height: 26" (66 cm), 30" (76.20 cm) and 36" (91.44 cm).

Front retractable landing gear support.

Spare tire and carrier: One (1) under chassis.

Intervehicular Safety Chains (military): Two (2) at front of trailer.

Toolbox: One (1) lockable.

D. Trailer Electrical

24 volt source

2 each composite tail light-stop light, turn and marker (military)

4 each red reflectors (commercial)

4 each amber reflectors (commercial)

Jumper cable (military)

E. Loose Equipment

Wheel nut wrench with handle.

Operations, maintenance and parts manuals (English).

Two (2) air brake jumper hoses.

F. Performance

The trailer is capable of operating with full rated payload over cross-country terrain at speeds up to 10 mph (16 km/h) over unimproved roads at speeds up to 20 mph (32 km/h) and over improved roads (highway) at speeds up to 50 mph (80 km/h).

G. Shipping Data

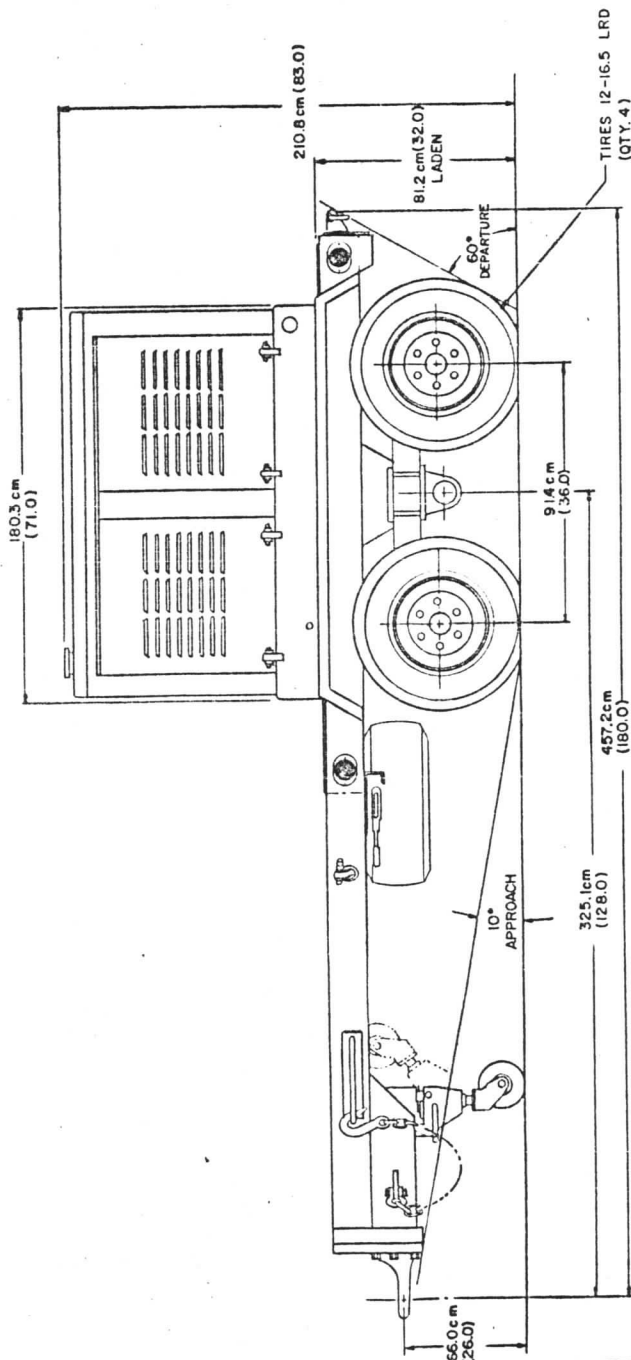
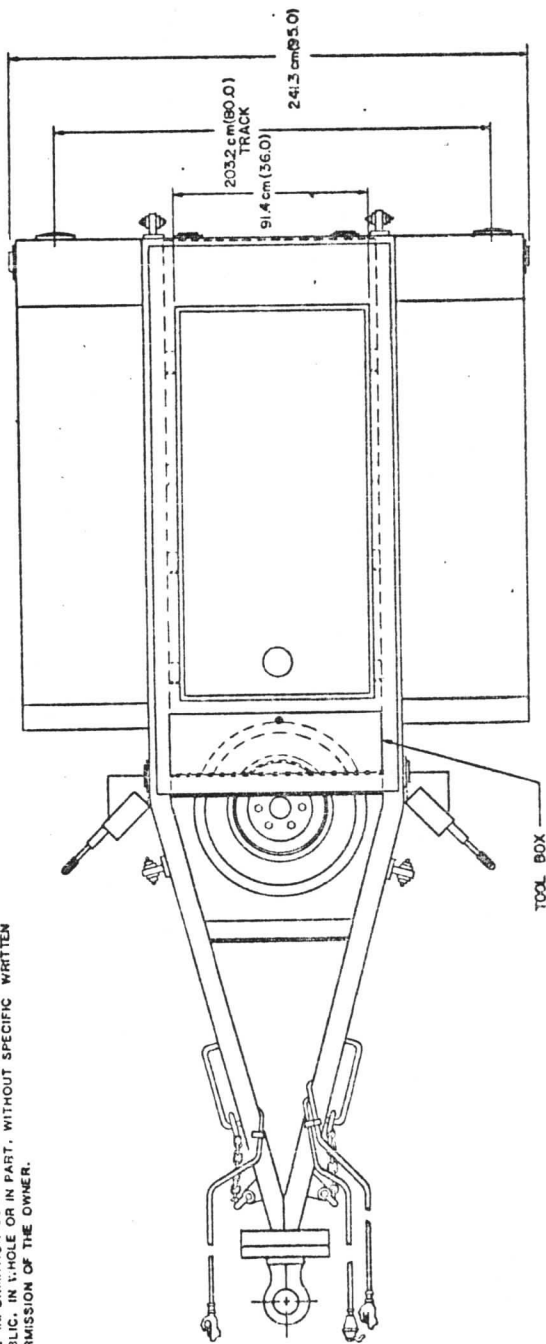
Set up on tires. Loose equipment stowed in toolbox.

H. Painting

All metal fabrications are sand blasted, primed and painted a single color of customer's choice.



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CONTAINS DESIGN IDEAS AND FUNCTIONAL CONCEPTS WHICH  
ARE THE PROPERTY OF EIDAL. HEREIN MUST NOT BE MADE  
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PERMISSION OF THE OWNER.



|                                |                |                   |          |       |
|--------------------------------|----------------|-------------------|----------|-------|
|                                | MODEL          | STARTED           | FINISHED | SCALE |
|                                | EIC 80-0050-02 | 1/6/81            | 1/9/81   | NONE  |
| REFERENCE LAYOUT               |                | DRAWN BY          |          |       |
| GROUPS APPLIED                 |                | DATE              |          |       |
| SUPERSEDES                     |                | DATE              |          |       |
| SPECIFIED BY                   |                | DATE              |          |       |
| NAME                           |                | DATE              |          |       |
| TRAILER - GENERATOR, 30 kW     |                |                   |          |       |
| FEATURES                       |                |                   |          |       |
| 1 1/2 TON CHASSIS, TANDEM AXLE |                |                   |          |       |
| SHEET 1 OF 1                   |                | LAYOUT NO. 80-124 |          |       |