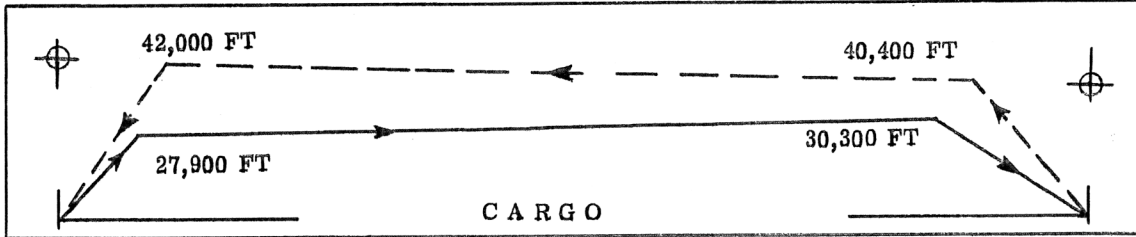




*Characteristics Summary Basic Mission*..... C-130 A



| PERFORMANCE   |  |   |
|---|--|---|
| COMBAT RADIUS   | COMBAT RANGE   | S P E E D   |
| 1000 naut. mi<br>with 35,000 lb payload<br>at 286 knots avg.<br>in 7.4 hours. | 1835 naut. mi<br>with 35,000 lb payload<br>at 286 knots avg.<br>in 6.6 hours | COMBAT 304 knots at<br>40,400 ft alt, mil power<br>MAX 326 knots at<br>24,200 ft alt, mil power<br>BASIC 326 knots at<br>25,000 ft alt, mil power |
| C L I M B   | C E I L I N G  | T A K E - O F F   |
| 2075 fpm<br>sea level, take-off weight<br>normal power                        | 30,000 ft<br>100 fpm, take-off weight<br>normal power                        | ground run<br>1950ft   1540ft<br>no assist   assisted   |
| 4320 fpm<br>sea level, combat weight<br>military power                        | 38,700 ft<br>500 fpm, combat weight<br>military power                        | over 50 ft height<br>3000ft   2450ft<br>no assist   assisted  |
| L O A D   | W E I G H T S  | S T A L L I N G S P E E D   |
| Cargo: 35,000 lb  | Empty..... 59,164 lb   | 89.2 knots<br>power-off, landing config-<br>uration, take-off weight  |
| Fuel: 4053 gal  | Combat... 73,500 lb  | <b>T I M E T O C L I M B</b>  |
| protected 0 %   | Take - off 122,245 lb  | _____   |
| droppable 0 %   | limited by mission   |   |
| external 0 %  |  |   |

**N O T E S**

- Performance Basis:
  - Contractor's estimated data
- Performance Reference:
  - Lockheed Engineering Report Nr 1098, "Performance C-130A," revised July 1956.
- Revision Basis:
  - To reflect changes in performance, characteristics data, and security classification.