C-130J Super Hercules Program Status and Fast Facts

July 2023

The C-130J Super Hercules provides significant performance improvements and added operational capabilities that translate directly into increased effectiveness on the ground and in the air. Some of these attributes include the ability to:

- Operate out of 2,000 ft. long dirt strips in high mountain ranges.
- Carry tons of supplies more than 3,000 miles and deliver “the last mile” to remote operating bases, keeping supply trucks off dangerous highways.
- Perform in-flight refueling, ground fueling, weather reconnaissance, airborne information operations, medical evacuation, search and rescue, paradrop, maritime, Special Operations and many other missions.
- Generate much greater operational efficiencies, with the C-130J outperforming legacy C-130s in combat operations by at least a 2:1 margin.
- Operate with only two pilots and one loadmaster for most missions, exposing fewer flight crew members to combat threats.
- Demonstrate reliability that far exceeds most other military aircraft with average mission capable rates routinely in the 80-to-90% range.

Super Hercules Advantages

One Aircraft, Many Capabilities

Super Hercules Operators

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*Aircraft yet to deliver*
C-130J Production Variants

This tactical transport aircraft has already proven itself in many kinds of missions, and in the harshest operating conditions possible, thanks to its uniquely adaptable platform available in the following configurations:

Current Production Variants
- C-130J and the longer fuselage C-130J-30 for combat delivery
- KC-130J for aerial and ground refueling
- LM-100J civil-certified multi-purpose airfreighter
- MC-130J for Special Operations; aerial and ground refueling (U.S. Air Force variant)
- HC-130J for search and rescue support missions; aerial and ground refueling (U.S. Air Force variant)
- HC-130J for search and rescue/maritime support missions (U.S. Coast Guard variant)

Previously Delivered Variants
- WC-130J for weather reconnaissance
- EC-130J for airborne information operations (Both are U.S. Air Force–only variants)

Modification
- AC-130J for air support, air interdiction and armed reconnaissance (U.S. Air Force-only variant)

C-130J Specifications

<table>
<thead>
<tr>
<th></th>
<th>C-130J-30</th>
<th>KC/HC/ MC-130J</th>
<th>LM-100J</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>112 ft 9 in/34.37 m</td>
<td>97 ft 9 in/29.79 m</td>
<td>112 ft 9 in/34.37 m</td>
</tr>
<tr>
<td>Height</td>
<td>38 ft 10 in/11.84 m</td>
<td>38 ft 10 in/11.84 m</td>
<td>38 ft 10 in/11.84 m</td>
</tr>
<tr>
<td>Wingspan</td>
<td>132 ft 7 in/40.41 m</td>
<td>132 ft 7 in/40.41 m</td>
<td>132 ft 7 in/40.41 m</td>
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<tr>
<td>Powerplant</td>
<td>Four Rolls-Royce AE 2100D3 engines; GE-Dowty Aerospace R391 6-blade propellers, all composite</td>
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</tr>
<tr>
<td>Maximum take-off weight</td>
<td>164,000 lb/74,389 kg</td>
<td>164,000 lb/74,389 kg</td>
<td>164,000 lb/74,389 kg</td>
</tr>
<tr>
<td>Maximum payload*</td>
<td>46,700 lb/21,183 kg</td>
<td>47,000 lb/21,319 kg</td>
<td>47,000 lb/21,319 kg</td>
</tr>
<tr>
<td>Operating weight empty</td>
<td>88,252 lb/40,030 kg</td>
<td>87,961 lb/39,898 kg</td>
<td>80,350 lb/36,446 kg</td>
</tr>
<tr>
<td>Zero fuel weight**</td>
<td>129,000 lb/58,513 kg</td>
<td>128,500 lb/58,287 kg</td>
<td>124,000 lb/56,245 kg</td>
</tr>
<tr>
<td>Landing Distance (135,000 lb)</td>
<td>3,000 ft/914 m</td>
<td>3,200 ft/975 m</td>
<td>2,830 ft/863 m</td>
</tr>
<tr>
<td>Range (40,000 lb payload)</td>
<td>2,160 nm/4,000 km</td>
<td>1,980 nm/3,667 km</td>
<td>2,300 nm/4,260 km</td>
</tr>
<tr>
<td>Maximum Cruise Speed</td>
<td>365 KTAS/675 km/hr</td>
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<td>360 KTAS/667 km/hr</td>
</tr>
</tbody>
</table>

* Assumes wing relieving fuel

** Higher zero fuel weight allowable with wing relieving fuel

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