C-130J Super Hercules Program Status and Fast Facts

August 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 Operators

- Australia
  Royal Australian Air Force
  C-130J-30
- Bahrain
  Royal Bahraini Air Force
  C-130J
- Bangladesh
  Bangladesh Air Force
  C-130J
- Canada
  Royal Canadian Air Force
  C-130J-30
- Denmark
  Royal Danish Air Force
  C-130J
- France
  Armée de l’Air
  C-130J-30
- Germany
  Luftwaffe
  C-130J-30/KC-130J*
- India
  Indian Air Force
  C-130J-30
- Indonesia
  Indonesian Air Force
  C-130J-30*•
- Iraq
  Iraq Air Force
  C-130J-30
- Israel
  Israeli Air Force
  C-130J
- Italy
  Aeronautica Militare
  C-130J-30/KC-130J
- South Korea
  Republic of Korea Air Force
  C-130J-30
- Kuwait
  Kuwait Air Force
  KC-130
- New Zealand
  Royal New Zealand Air Force
  C-130J-30
- Norway
  Royal Norwegian Air Force
  C-130J-30
- Oman
  Royal Air Force of Oman & Royal Flight of Oman
  C-130J-30
- Qatar
  Qatari Air Force
  C-130J-30
- Kingdom of Saudi Arabia
  Royal Saudi Air Force
  KC-130J
- Tunisia
  Tunisian Air Force
  C-130J-30
- United States
  Air Force, Marine Corps and Coast Guard
  7 Variants*
- Pallas Aviation
  LM-100*

*Aircraft yet to deliver
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><strong>Length</strong></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><strong>Height</strong></td>
<td>38 ft 10 in/11.84 m</td>
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</tr>
<tr>
<td><strong>Wingspan</strong></td>
<td>132 ft 7 in/40.41 m</td>
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</tr>
<tr>
<td><strong>Powerplant</strong></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><strong>Maximum take-off weight</strong></td>
<td>164,000 lb/74,389 kg</td>
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</tr>
<tr>
<td><strong>Maximum payload</strong></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><strong>Operating weight empty</strong></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><strong>Zero fuel weight</strong></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><strong>Landing Distance (135,000 lb)</strong></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><strong>Range (40,000 lb payload)</strong></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><strong>Maximum Cruise Speed</strong></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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