LTS101-850B-2 ENGINE

Delivering performance and value for the BK-117 helicopter
Engine upgrade increases OEI power by 22%.

Proven engine performance, reliability and efficiency for the BK-117.

More Power
The LTS101 engine is proven to deliver world-class reliability and performance - improving the climb rate of twin engine helicopters 40% to 10,000 feet. At typical operating weights, the single engine ceiling increased from 1,500 to more than 5,000 feet.

One minute One Engine Inoperative (OEI) power has increased by 22%, providing greater operational safety and more power with little to no difference in fuel consumption.

More Capabilities
Honeywell has delivered over 2,000 LTS101 engines - which have accumulated over 10 million flight hours to date. The LTS101 engine was redesigned in 2001 with over $30 million invested by Honeywell in engine upgrades. Refreshed with new technology, aerodynamics and material, past reliability issues have been designed out. The LTS101-850B-2 engine provides additional power in all flight regimes which increases helicopter capability, increases safety and complies with EASA regulations.

Power Comparison

More Capabilities

Dual Rate of Climb Comparison

Min. Spec LTS-850 set by holding MGT to 792 °C / Min. Spec LTS-750 set by holding MGT to 733 °C
(Max. Continuous Power AEO) Data Source: GHTI Right 9, 22 May 03
More Savings
The LTS101 engine delivers increased value for operators. Improvements have transformed the engine, increasing operator value in the form of lower operating costs. This results in an extended component service life. In addition, continued improvements have increased operability and capability. This results in additional engine power with little to no increase in specific fuel consumption and a potential 19% increase in helicopter value compared to previous engine helicopter models.

More Efficient
The new LTS101 engine delivers more savings. The LTS101-850B-2 engine delivers more savings for operators. As a result of new technology incorporated into the engine, the increased power does not result in any significant increase in specific fuel consumption. More power for the same fuel burn equals increased operator value.

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**BK-117 Helicopter Values**

<table>
<thead>
<tr>
<th>Helicopter Model</th>
<th>BK-117 C</th>
<th>&amp;BK-117 B</th>
<th>BK-117 B</th>
<th>BK-117 A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Millions ($/US)</td>
<td>$2.5-$4M</td>
<td>$2.2-$3.275M** (BK-117 with 850B-2 engine)</td>
<td>$1.8-$2.875M</td>
<td>$1.2-$1.675M</td>
</tr>
</tbody>
</table>
| Honeywell Estimate | Data Source: 2007 Helivalue$ Inc.

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**LTS101-8508-2 BENEFITS VS. LTS101-750-POWERED BK-117 HELICOPTER**

- Potential 18% increase in helicopter value
- 22% increase in OEC power meeting EASA standards
- Increased shaft horsepower
- Little to no change in fuel consumption
- Extended life / cooled gas producer (GP) rotor
- Equivalent direct operating cost