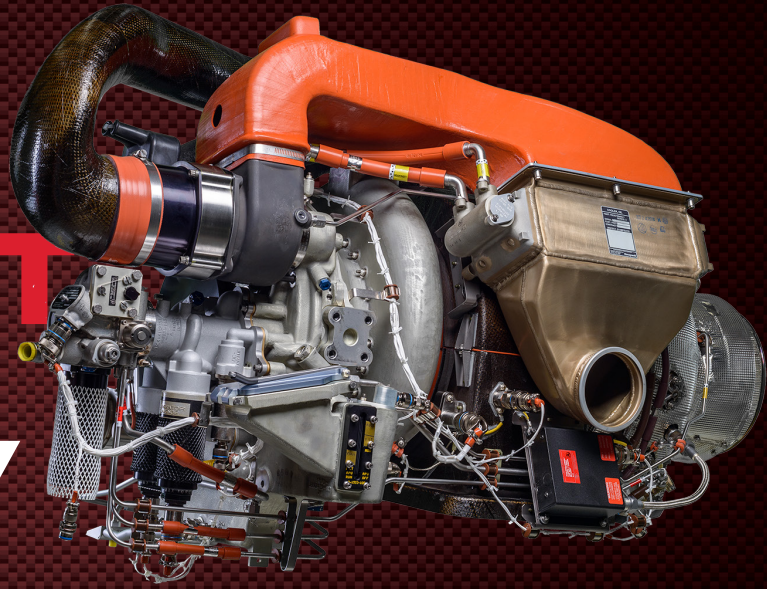


131-9A AUXILIARY POWER UNIT HIGH- EFFICIENCY MODE



Improve fuel economy and APU time-on-wing with new HEM upgrade

Airbus narrowbody operators flying with Honeywell's 131-9A APU can save up to \$9,000 in annual fuel costs and improve on-wing-time by as much as 17% with the new High Efficiency Mode (HEM) upgrade

These and other benefits are available to operators who install an improved diffuser on their APU and obtain the required encryption key to activate Honeywell's proprietary software.

New production 131-9A APUs (Series 25 and above) come from the factory with the new diffuser installed. Series 25 APUs already in service and legacy units (below Series 25) can be upgraded during their next major service event, without additional APU downtime.

The upgrade is free to operators enrolled in a Honeywell Maintenance Service Plan agreement. Other operators can take advantage of single-year or multi-year subscription-based pricing programs.

HEM UPGRADE BENEFITS

- 1-2% improvement in fuel efficiency, which can amount to as much as \$9,000 per year, per aircraft depending on operating conditions.
- Improved environmental performance, reducing carbon dioxide emissions by up to 22 metric tons per APU per year, depending on operating conditions.
- On-wing time is improved an average of 1,200 hours, up to 1,800 hours dependent on operator use. That can mean 1-2 fewer shop visits over the life of the unit, with estimated savings of \$315,000 per shop visit.
- Reduced overall maintenance costs and lower spares requirements, thanks to longer time-on-wing. Larger operators may save up to 15% on spares.
- Easy installation. The new diffuser is a form-fit replacement, so the upgrade doesn't increase normal major service interval downtime. For Series 25 and newer units, the upgrade can be made without removing the APU from the aircraft.

Honeywell

THE POWER OF ADVANCED SOFTWARE

The powerful combination of hardware and advanced software deliver HEM benefits that improve operational and bottom line performance for operators. The redesigned diffuser is critical, but it's the software that autonomously controls the diffuser to regulate airflow into the compressor section. As a result, the engine burns fuel more efficiently at lower temperatures, which reduces wear and tear on critical engine parts.

ADVANCING THE CAPABILITIES OF THE 131-9A APU

More than 25 years after entering production and 6,000 deliveries, the 131-9A has a well-earned reputation for performance and reliability among Airbus narrowbody aircraft operators worldwide.

Honeywell continues to advance the science behind small turbine engines, to ensure we're meeting customers' needs for more power on the aircraft, greater fuel efficiency and a smaller environmental footprint.

The HEM upgrade for the 131-9A checks all the boxes. For more information and to arrange to upgrade your APU at your next major service interval, contact your Honeywell representative.



Honeywell Aerospace

1944 East Sky Harbor Circle
Phoenix, AZ 85034
aerospace.honeywell.com

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THE
FUTURE
IS
WHAT
WE
MAKE IT

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