

131-9A/9B AUXILIARY POWER UNIT HIGH- EFFICIENCY MODE

Reduce CO2 emissions, improve fuel economy and APU time-on-wing with new HEM upgrade



Airbus and Boeing narrowbody operators flying with Honeywell's 131-9A and 131-9B APUs can save up to \$9,000 in annual fuel costs, reduce CO2 emissions and improve on-wing-time by as much as 25% with the new High Efficiency Mode (HEM) upgrade.

Many airlines have a corporate ESG plan including goals for CO2 emissions reduction. Achieving these goals will take a variety of actions and the 131-9 High Efficiency Mode can immediately contribute toward these goals.

These and other benefits are available to operators who install an improved diffuser in their APU and obtain the required encryption key to activate Honeywell's proprietary software. New production 131-9A and 131-9B APUs now come from the factory with the new diffuser installed. APUs delivered prior to the introduction of the improved diffuser 131-9A (Series 24 and prior and 131-9B Series 48 and prior) can be upgraded during their next major service event, without additional APU downtime.

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 up to 1,500 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.
- Easy installation. The new diffuser is a form-fit replacement, so the upgrade doesn't increase normal major service interval downtime. The upgrade can be made without removing the APU from the aircraft for APUs that were delivered with the new diffuser.

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 regulates airflow to the load compressor, reducing demand from power 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 AND 131-9B APU

More than 25 years after entering production and 6,000 deliveries, the 131-9A and 131-9B have a well-earned reputation for performance and reliability among Airbus and Boeing 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 and 131-9B 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 Technologies

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

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THE
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WHAT
WE
MAKE IT

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