


Beech King Air B-100 TPE331-10 Conversion



ENHANCED GROUND PROXIMITY
WARNING SYSTEMS

A new dimension in durability, performance,
reliability and economy for Beech B-100 operators

Honeywell



Using updated engine technology, the TPE331-10 conversion increases climb and cruise performance, reliability and lowers your cost of ownership.

Program Benefits

- Uses higher, fuel-efficient flight levels even on short segments
- Fly above the weather
- Climb power to 15,000 ft vs. 6,000 ft
- Stay above piston powered aircraft traffic

Engine Specification Comparison

	TPE331-6	TPE331-10AV
Thermodynamic Shaft Horsepower:	840 Minimum	1,000 Minimum
Flat Rate Torque To:	6,000 ft	15,000 ft
Cruise Speed:	276 KTAS	280+ KTAS
(ISA, 10,500 lb, 96%, 20,000 ft)		

Time to climb (minutes)

	TPE331-6	TPE331-10AV
15,000 ft.	9	7
25,000 ft.	20	15
(IBA, 10500lb.100%)		



Engine Conversion Options

Option 1: Overhaul and modification

This option best suits those operators nearing overhaul expiration on the -6 engine. However, it may be accomplished at any point in the engine's life with resultant overhaul service bulletin modification standards and warranty benefits.

Overhaul and Major Inspection Interval Options:

	OPTION A	OPTION B
Hot section	1800 hrs	2500 hrs
Hot section & Gearbox	3600 hrs	—
Overhaul	5400 hrs	5000 hrs



Option 2: Engine continued time modification

This option makes Dash 10 engine performance available without waiting for the -6 engine to reach its scheduled overhaul interval.

Overhaul and Major Inspection Interval Options:

	OPTION A	OPTION B
Hot section	1800 hrs	2500 hrs
Hot section & Gearbox	3600 hrs	—
Overhaul	5400 hrs	5000 hrs

Note: The operator must declare the desired overhaul option at the time of engine modification to allow for the appropriate log book entries to be accomplished.

Warranties

Overhaul*

Twenty-four months from date of shipment or 12 months from date of initial operation whichever occurs first for defects in material and workmanship. Additionally, the turbine section will be covered for 24 months from date of initial operation.

Repair/continued time*

Twelve months from date of initial operation on power section and gearbox for defects in material and workmanship. Thirty days from date of initial operation on line replacement items. Additionally, the turbine section will be covered for 24 months from date of initial operation.

*Refer to Honeywell Engines Warranties for details as applicable.

Engine

- High Technology Cooled Turbine Components
- ITT Replaced by EGT
- Factory Certified Engines and Maintenance Documents
- Competitive Maintenance Intervals
- Improved Thermodynamics

Economics

- Increased Aircraft Value
- Reduced Hot Section Costs
- 2 Year Warranty on Turbine Components
- Factory Warranty

Maintenance

- Flexible Major Maintenance Intervals
- Two TBO Options
- Factory Developed and Supported Aircraft STC
- Reduced Fuel Nozzle Maintenance Costs

Service and Support

- Global Engine and Aircraft Service
- Designated Aircraft Modification Facilities

Designated Modification Facilities

The following facilities have been designated by Honeywell and Beech King Aircraft to perform aircraft modifications. All engine modifications will be performed at Landmark Aviation under a Honeywell licensing agreement.

For details and scheduling contact:

Any authorized Honeywell TPE331 facility.

Aircraft modification kits can be procured from Landmark Aviation

Springfield, Illinois

Attention: Doug Clarke

Phone: 217-544-3431

800-731-7371

E-Mail: Doug.Clarke@landmarkaviation.com

Find out more

Honeywell Aerospace

1944 East Sky Harbor Circle

Phoenix, AZ 85034

US Toll Free: 800-601-3099

International: 602-365-3099

www.honeywell.com

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