

KING AIR 90 SERIES

EPIC PACKAGES



AIRCRAFT MODELS

+ King Air 90, C90, C90GT, C90GTi, C90GTx, E90



REAL WORLD FLYING Carry more in and out of shorter runways and fly farther and more quietly. Raisbeck King 90 Series EPIC packages take your workhorse to a whole new level. Performance like you've never experienced before.

PERFORMANCE BENEFITS

- Increased takeoff (10,500 lbs) and landing (9,700 lbs) weight
- Improved FAA-Certified takeoff and landing field-length performance
- Greater payload, fuel and range capability from shorter runways and hot-high scenarios
- Higher engine operating ITTs for better climb and cruise performance (LJ-1062 and earlier)
- Quieter operations through reduced climb and cruise RPM
- Raisbeck's EPIC Performance Package was a standard factory installation on all new C90GTx models, LJ-2121 and after.

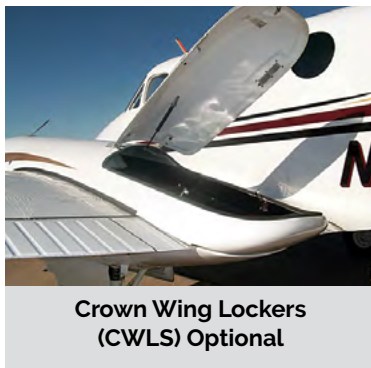
REQUIRED EPIC ELEMENTS



4- Blade Swept Props (4-SBTP)



Dual Aft Body Strakes (DABS)



Crown Wing Lockers (CWLS) Optional

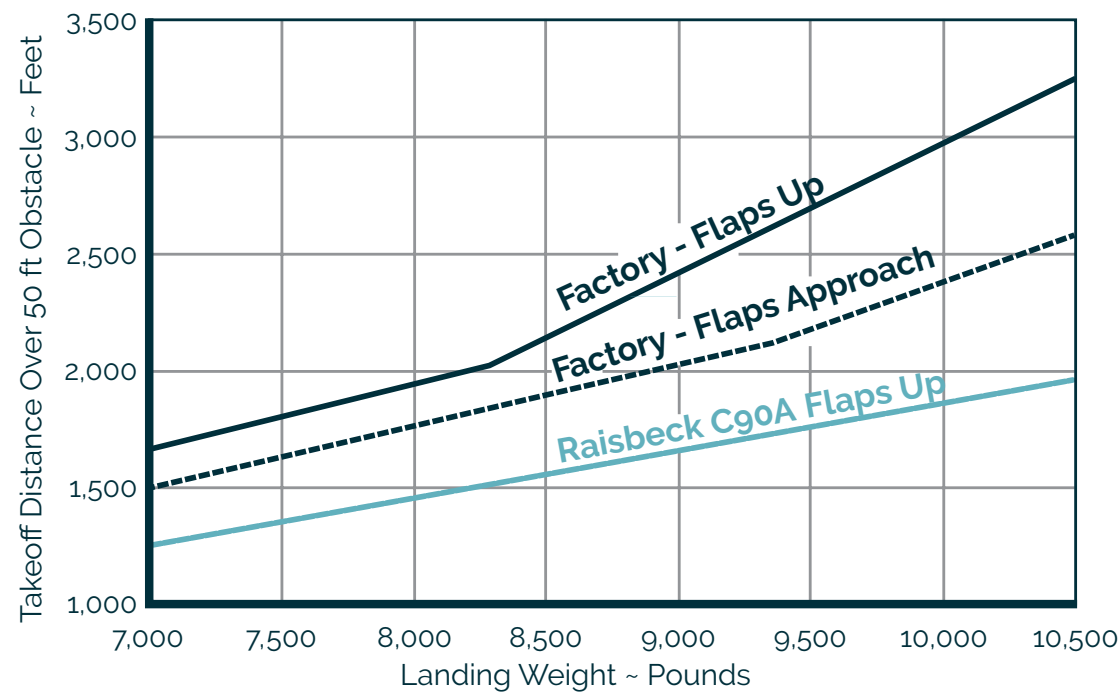
EPIC-EQUIPPED C90GT, C90GTI, C90GTx

FAA-Certified EPIC Performance Data for PT6A-135A engines
Includes C90, C90A and C90B with Blackhawk PT6A-135A Engines

TAKEOFF DISTANCE (MTOW, Flaps Up)	FACTORY C90GTx	EPIC-EQUIPPED C90GT, GTI, GTx	IMPROVEMENTS
Takeoff Distance (SL, ISA)	3,240	1,980 ft	1,260 ft less runway
Takeoff Distance (5000 ft, 25° C)	4,600	3,370 ft	1,230 ft less runway
Accelerate-Stop (SL, ISA)	4,200	3,690 ft	510 ft less runway
Accelerate-Go (SL, ISA)	4,390	3,110 ft	1,280 ft less runway
CRUISE			
Cruise RPM	1,900 RPM	1,750 RPM	150 RPM less
LANDING (MLW, SL, ISA, FLAPS DOWN)			
Landing Distance w/o Reverse	2,510	2,100 ft	410 ft less runway
Landing Distance with Reverse	2,350	1,600 ft	750 ft less runway
Noise (Part 36 / ICAO)	76.0 dB(A)	74.8 dB(A)	1.2 dB(A) quieter
OTHER			
Propellers	90" Hartzell/ Beech 4-Blade	96" Raisbeck/ Hartzell Swept 4-Blade	Exceptional performance, stunning ramp presence

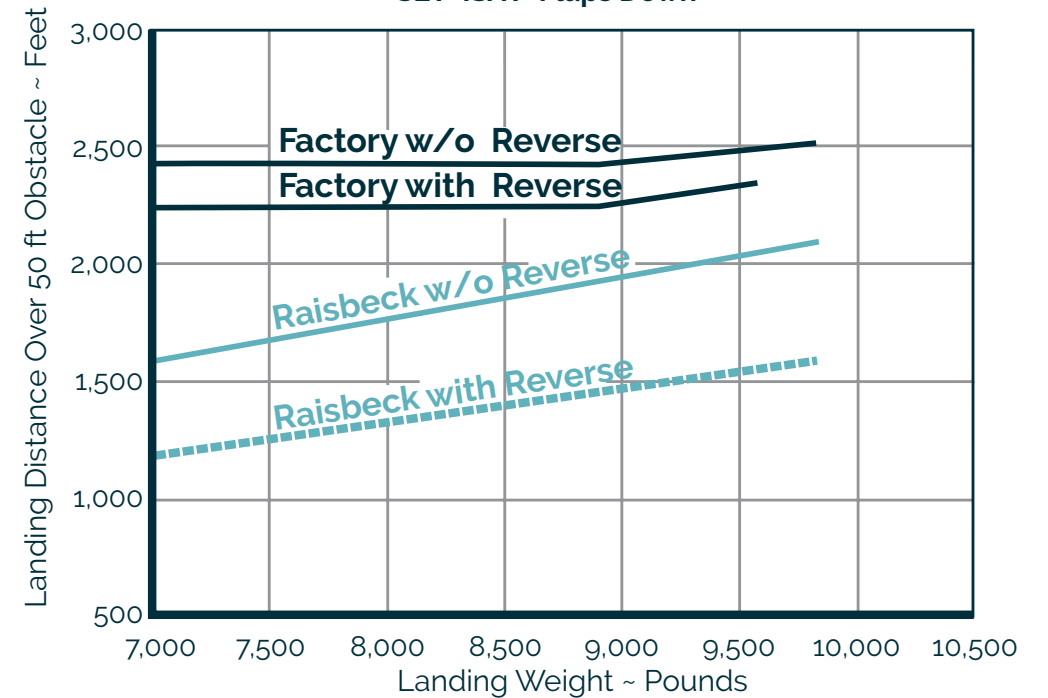
TAKEOFF DISTANCE COMPARISON

SL/ISA



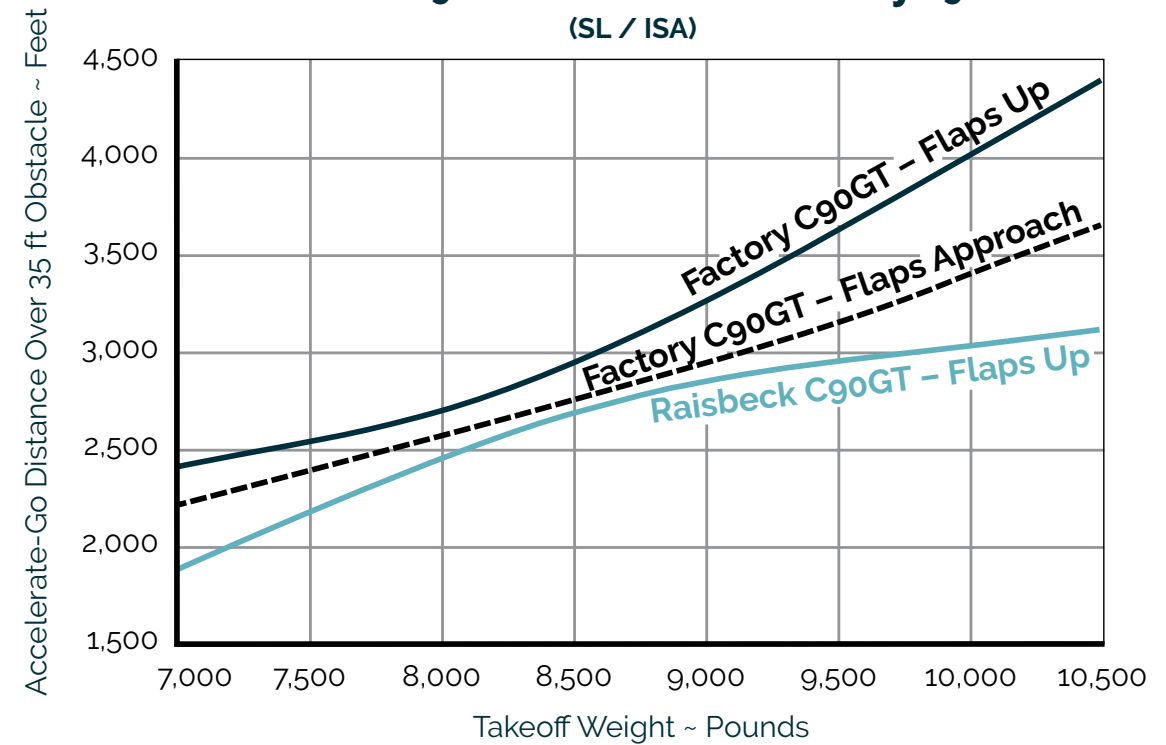
LANDING DISTANCE COMPARISON

Raisbeck EPIC C90GTx vs Factory C90GTx
SL / ISA / Flaps Down

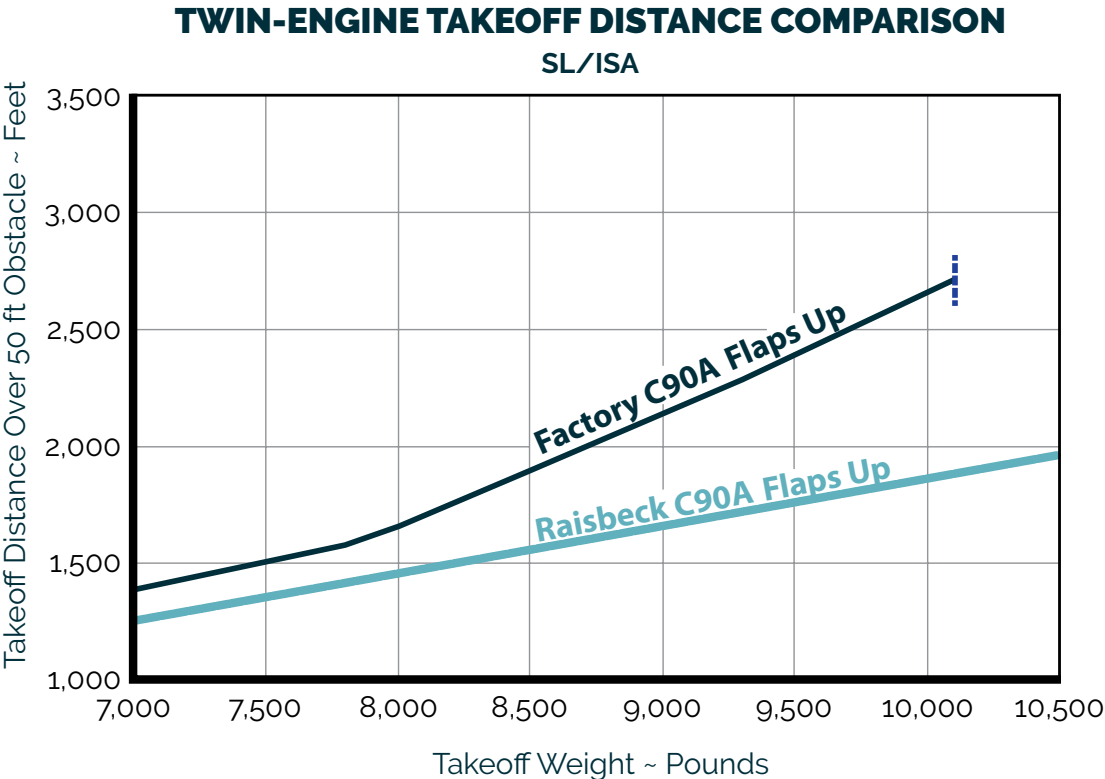
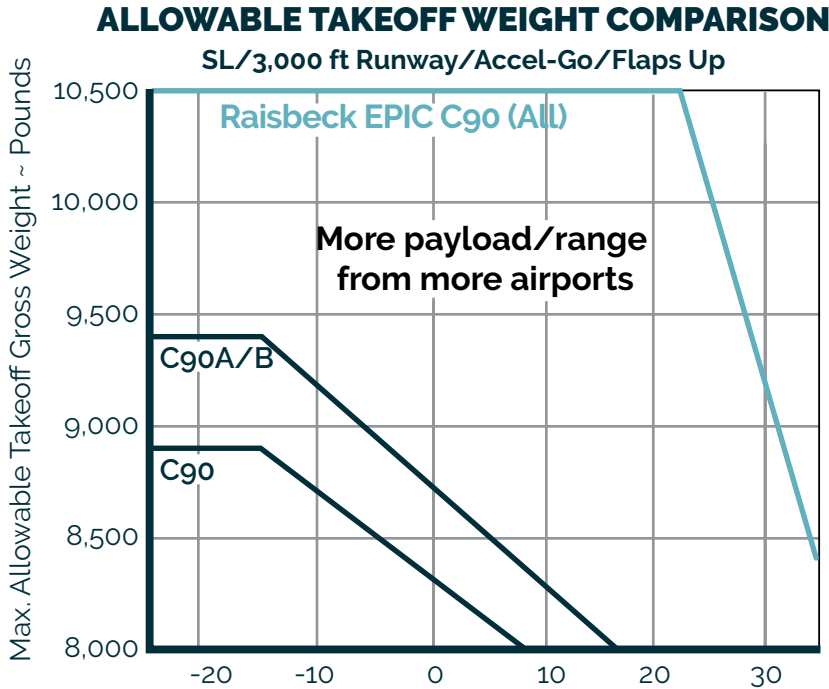


TWIN-ENGINE ACCELERATE-GO DISTANCE COMPARISON

Raisbeck C90GT-Series EPIC vs Factory C90GT
(SL / ISA)



EPIC-EQUIPPED C90, C90A, C90B			
TAKEOFF	FACTORY C90, C90A, C90B	EP- IC-EQUIPPED C90, C90A, C90B	IMPROVEMENTS
Takeoff Gross Weight	9,650-10,100 lbs	10,500 lbs	400 - 850 more lbs
Takeoff Distance Over 50' @ MTOW	2,710 ft	2,190 ft	22% shorter
Accelerate-Go Distance	3,650 ft	3,000 ft	18% shorter
Accelerate-Stop Distance	3,600 ft	3,785 ft	185 ft longer at 400 lbs heavier
Takeoff Climb Gradient	4.8%	4.8%	Same at 400 lbs heavier
CLIMB			
Single Engine Rate-of-Climb	495 fpm	525 fpm	6% better
CRUISE			
Cruise RPM	1,900 RPM	1,750 RPM	150 RPM less
Maximum Cruise ITT	635° - 695° C	695° C	All upgraded to C90A/B
LANDING			
Landing Distance Over 50 ft (no reverse)	2,290 ft	2,160 ft	6% less runway
Landing Gross Weight	9,600 lbs	9,700 lbs	100 lbs more
OTHER			
Propellers	90" Hartzell/ Beechcraft 4-Blade	96" Raisbeck/ Hartzell Swept 4-Blade	Exceptional performance and stunning ramp presence



EPIC-EQUIPPED E90 BENEFITS

- 400 lbs MTOW increase to 10,500 lbs
- Increased payload
- Increased range
- Measurably quieter cockpit, cabin and exterior
- Reduced takeoff and cruise RPM with no performance loss; specifically:

1,900 takeoff RPM (vs. 2,200 Factory)	1,750 cruise RPM (vs. 1,900 Factory)
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FAA-Certified EPIC Performance Data for PT6A-135A Engines
Includes aircraft with Blackhawk engine upgrades

