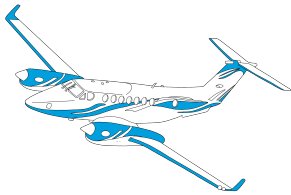
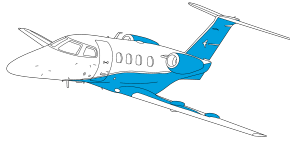




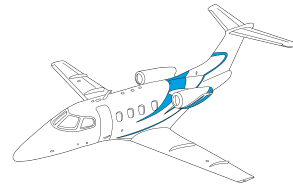
Aircraft Comparison Report



Beechcraft King Air 360



Embraer Phenom 100EV



Embraer Phenom 100

This report has been generated using Compare Private Planes premium service. Data is to be used for comparison purposes only and should not be used for flight planning. Costs are estimates only.

For a full list of assumptions and the methodology of data collection, please visit compareprivateplanes.com Compare Private Planes is wholly owned and operated by Magic Lagoon Limited.

This report has been generated by

Options selected for this report are:

Region: North America

Currency: USD

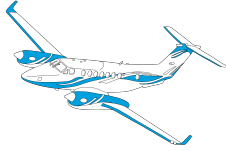
Units: Imperial Units

Estimated Annual Flight Hours: 0

Key Facts

Beechcraft King Air 360

Remove Aircraft



- Aircraft announced in August 2020 building on the success of the King Air 350/350ER.
- The King Air 360 can fly up to 1,806 Nautical Miles without needing to refuel and can also cruise at up to 35,000 feet.
- A low cabin altitude and advanced soundproofing technology increase the comfort levels within the cabin.
- The cockpit of the King Air has been updated in order to reduce pilot workload and increase efficiency.
- The list price for a new King Air 360 comes in at \$7.9 million.

Embraer Phenom 100EV

Remove Aircraft



- The Embraer Phenom 100EV features two distinct temperature zones for superior pilot and passenger comfort.
- The Phenom 100EV features the segment's largest entrance door and windows.
- The Embraer Phenom 100EV interior features a fully enclosed rear lavatory with windows offers total privacy.
- The Phenom 100EV can be operated by a single pilot.
- Graphical flight planning, SurfaceWatch™, vertical navigation, windshear alerting and weather radar with vertical scan, ground clutter suppression and turbulence detection provide even more situational awareness.

Embraer Phenom 100

Remove Aircraft



- The Embraer Phenom 100 is a VLJ jet manufactured by Embraer between 2008 and 2014.
- The Embraer Phenom 100 is powered by two Pratt & Whitney Canada PW617F-E engines, resulting in an hourly fuel burn of 90 Gallons per Hour.
- Capable of cruising at up to 389 knots, the Embraer Phenom 100 can fly non-stop for up to 1178 nautical miles.
- The aircraft can carry up to 6 passengers.
- The Embraer Phenom 100 has an estimated hourly charter price of \$2500, with a new list price of \$2.85 million at the time of manufacture.

Basic Info

	Beechcraft King Air 360	Embraer Phenom 100EV	Embraer Phenom 100
Production Start	2021	2017	2008
Production End	Present	Present	2014
In Production?	Yes	Yes	No
Number Made	68	59	308
Number in Service	-	52	292
Serial Numbers	-	-	-

Performance

	Beechcraft King Air 360	Embraer Phenom 100EV	Embraer Phenom 100
Range (NM)	1,806	1,178	1,178
Range (Miles)	2,078	1,356	1,356
Fuel Burn (GPH)	90	80	90
Max Altitude (Feet)	35,000	41,000	41,000
Rate of Climb (Feet / Min)	2,700	2,932	3,061
Initial Cruise Altitude (Feet)	-	41,000	41,000
Take-Off Distance (Feet)	3,300	3,190	3,400
Landing Distance (Feet)	2,692	2,430	3,000
High Speed Cruise:			
Knots	312	406	389
MPH	359	467	448
Mach	0.54	0.70	0.68
Long Range Cruise:			
Knots	234	339	333
MPH	269	390	383
Mach	0.41	0.59	0.58

Ownership Costs

Your estimated annual flight hours:

	Beechcraft King Air 360	Embraer Phenom 100EV	Embraer Phenom 100
Annual Budget	\$236,126	\$220,042	\$216,821
Annual Fixed Costs	\$236,126	\$220,042	\$216,821
Variable Cost per Hour	\$2,503	\$2,251	\$2,266

Annual Fixed Costs Breakdown

Crew Salary

Beechcraft King Air 360	\$ 97,500	<div><div></div></div>
Embraer Phenom 100EV	\$ 102,700	<div><div></div></div>
Embraer Phenom 100	\$ 102,700	<div><div></div></div>

Crew Training

Beechcraft King Air 360	\$ 17,500	<div><div></div></div>
Embraer Phenom 100EV	\$ 13,150	<div><div></div></div>
Embraer Phenom 100	\$ 13,195	<div><div></div></div>

Hangar

Beechcraft King Air 360	\$ 28,326	<div><div></div></div>
Embraer Phenom 100EV	\$ 17,822	<div><div></div></div>
Embraer Phenom 100	\$ 17,676	<div><div></div></div>

Insurance Hull

Beechcraft King Air 360	\$ 11,850	<div><div></div></div>
Embraer Phenom 100EV	\$ 5,670	<div><div></div></div>
Embraer Phenom 100	\$ 2,550	<div><div></div></div>

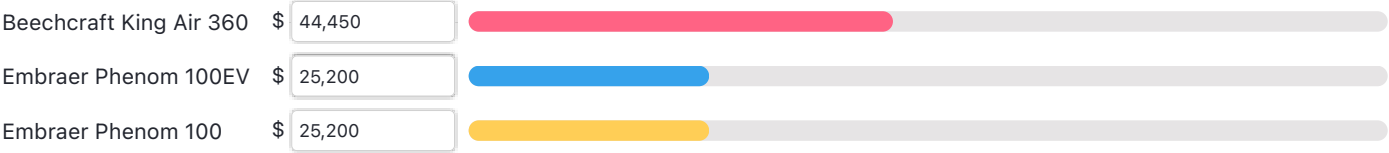
Insurance Liability

Beechcraft King Air 360	\$ 6,500	<div><div></div></div>
Embraer Phenom 100EV	\$ 7,500	<div><div></div></div>
Embraer Phenom 100	\$ 7,500	<div><div></div></div>

Management

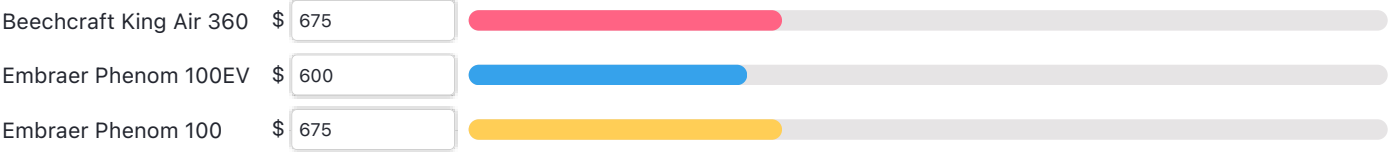
Beechcraft King Air 360	\$ 30,000	<div><div></div></div>
Embraer Phenom 100EV	\$ 48,000	<div><div></div></div>
Embraer Phenom 100	\$ 48,000	<div><div></div></div>

Misc Fixed

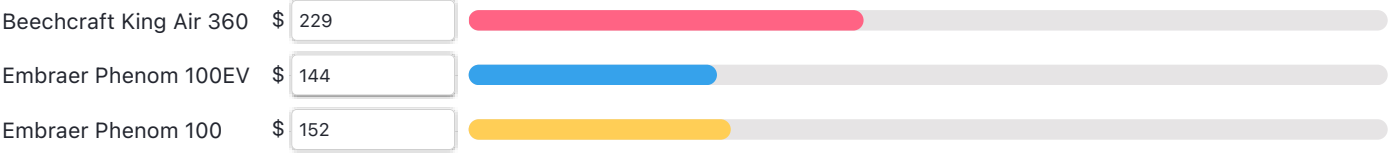


Variable Costs Breakdown

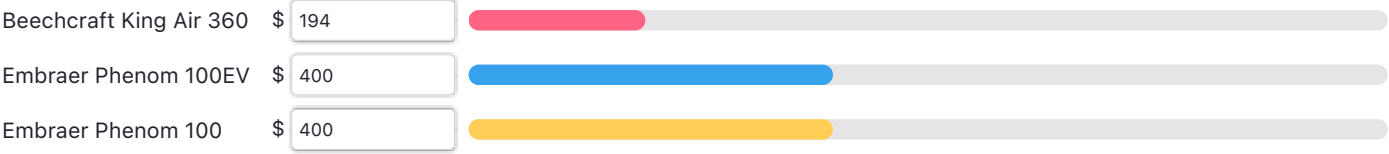
Fuel Cost



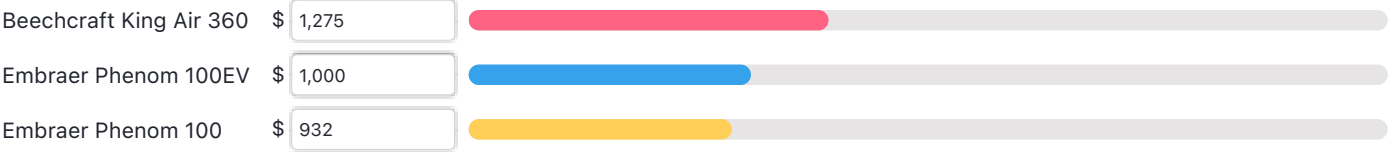
Maintenance



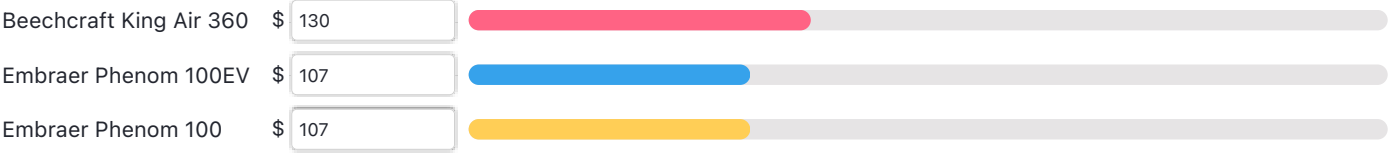
Engine Overhaul



Ground Fees



Misc Variable



Reset Values

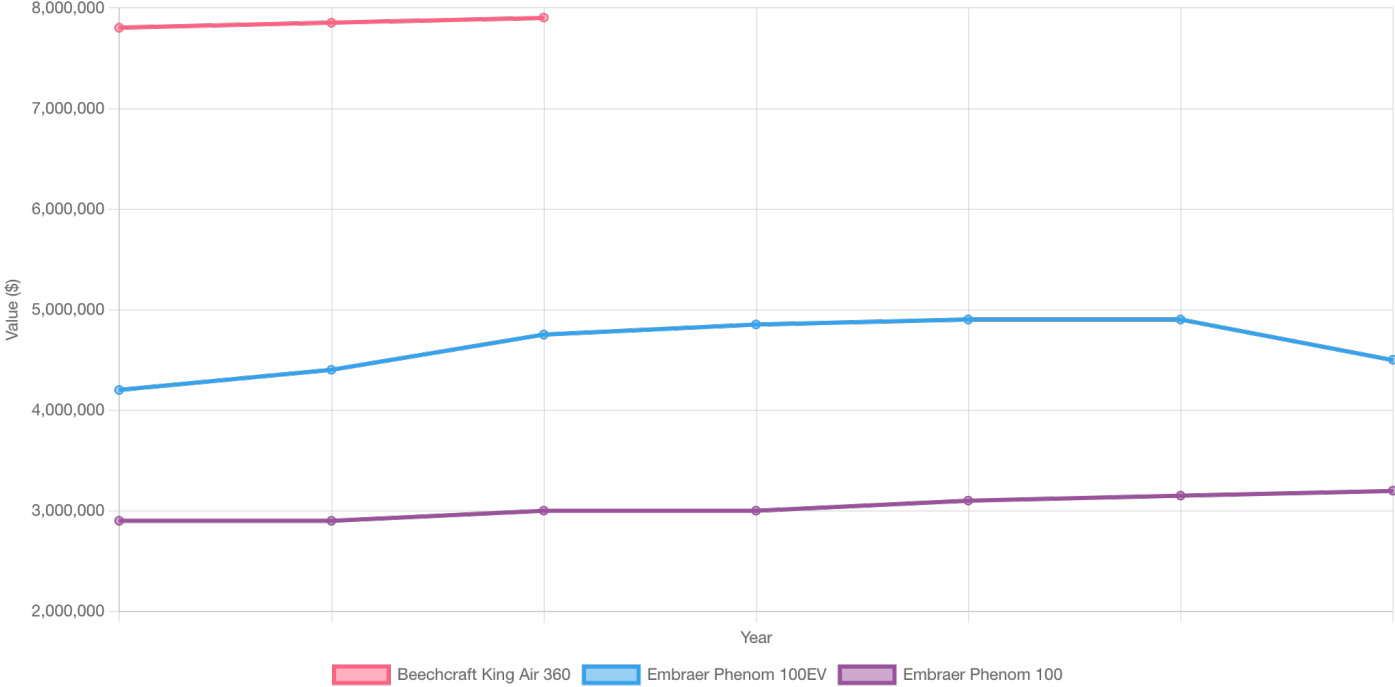
Acquisition Costs

Estimated Future Value

1 year

▼

	Beechcraft King Air 360	Embraer Phenom 100EV	Embraer Phenom 100
Select Year	<div>Select</div>	<div>Select</div>	<div>Select</div>
New Purchase Price	\$7,900,000	\$4,500,000	\$2,850,000
Current Value	\$7,800,000	\$4,200,000	\$2,900,000
Depreciation Rate	-0.63%	-1.02%	-1.62%
Future Values	\$7,750,860	\$4,157,160	\$0



Range Map

Pax number

Start Location

Beechcraft King Air 360

Embraer Phenom 100EV

Embraer Phenom 100

Maintenance Schedule

	Beechcraft King Air 360	Embraer Phenom 100EV	Embraer Phenom 100
A Check	200 hours - Phase Inspection (Recurring)	-	-
B Check	400 hours - Engine Minor Inspection	-	-
C Check	-	-	-
D Check	-	-	-

Interior

	Beechcraft King Air 360	Embraer Phenom 100EV	Embraer Phenom 100
Max Passengers	9	6	6
Typical Passengers	8	4	4
Cabin Noise (dB)	-	80	-
Cabin Altitude (Feet)	9,600	8,000	8,000
Sea Level Cabin (Feet)	16,200	21,280	21,280
Pressure Differential (PSI)	7	8	8
Living Zone Count	1	1	1
Cabin Volume (Cubic Feet)	417	275	219

Features

	Beechcraft King Air 360	Embraer Phenom 100EV	Embraer Phenom 100
Minimum Pilots	1	1	1
Avionics Suite	Collins Pro Line Fusion	Garmin G3000	Garmin G1000
Toilet Available	Yes	Yes	Yes
Flat Floor	No	No	No
Inflight Baggage Access	No	No	No
Shower Available	No	No	No
Space to Sleep	No	No	No
Dedicated Bedroom	No	No	No

Powerplant

	Beechcraft King Air 360	Embraer Phenom 100EV	Embraer Phenom 100
Engine Make	Pratt & Whitney Canada	Pratt & Whitney Canada	Pratt & Whitney Canada
Engine Model	PT6A-60A	PW617F1-E	PW617F-E
Thrust per Engine (lbs)	1,050	1,730	1,695
Total Thrust Output (lbs)	2,100	3,460	3,390
Lateral Noise (dB)	-	-	81.4
Flyover Noise (db)	-	-	70.8
Approach Noise (dB)	-	-	86.1

Weights

	Beechcraft King Air 360	Embraer Phenom 100EV	Embraer Phenom 100
Max Take-Off Weight (lbs)	15,000	10,703	10,472
Max Landing Weight (lbs)	15,000	9,998	9,766
Max Ramp Weight (lbs)	15,100	10,747	10,516
Available Fuel (lbs)	3,611	2,804	2,804
Max Payload (lbs)	2,545	1,775	1,312
Useful Payload (lbs)	5,145	3,488	3,384
Basic Operating Weight (lbs)	10,000	7,220	7,132
Baggage Weight (lbs)	1,150	507	-
Total Baggage (Cubic Feet)	72	70	70
Internal Baggage (Cubic Feet)	56	10	10
External Baggage (Cubic Feet)	16	60	60

Dimensions

	Beechcraft King Air 360	Embraer Phenom 100EV	Embraer Phenom 100
Exterior Length (Feet)	46.59	42.06	42.09
Exterior Height (Feet)	14.44	14.27	14.01
Wingspan (Feet)	57.91	40.35	39.99
Interior Length (Feet)	19.49	10.99	10.99
Interior Height (Feet)	4.76	4.92	4
Interior Width (Feet)	4.49	5.09	4.99
Door Height (Feet)	4.3	4.86	4.86
Door Width (Feet)	2.25	2.04	2.33

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