

# Embraer Phenom 100E



Aircraft Description	Range / Payload:	1,263
Range (NBAA 4Pax IFR Reserves 200 NM Alt): 1,050 Max Payload: 1,334 Range: @ Max Payload: 701 Payload Full Fuel: 602	<b>Specifications:</b> Typical Seating: 7  <b>Cabin Volume (Cubic Feet):</b> Total Volume, Cubic Feet: 276 Flat Floor (Y/N): N	<b>Operating Costs:</b> Variable Costs (Per /Hr): Fuel Cost: \$853 Maintenance Labor: \$301 Parts: \$298 Maintenance Programs: \$468 Misc. Trip Cost: \$933 Total Variable Cost (Per/ Hr):\$2,552
<b>Private Jet Runway Performance (Feet):</b> TO Sea Level ISA: 3,123 TO Performance 5,000 Ft @25 Degrees C, Feet: 6,609 Landing Distance SL ISA: 2,466	<b>Private Jet Speeds:</b> MAX Cruise Speed (HSC) (kts):389 Long Range Cruise Speed(LSC) (kts): 332 Trip Speed For 300NM (min):55 Trip Speed For 600NM (min):106 Trip Speed For 1000NM (min):185	<b>Annual Fixed Costs:</b> Insurance: Liability And Hull: \$27,566 Maintenance Software:\$63,000 Misc. Services: \$37,231  Periodic Costs: Modernization: \$25,396  Training Costs: Flight Crew Training: \$19,003 Maint. Tech Training: \$4,751
<b>Max Certified Altitude:</b> Max Certified Altitude: 41,000	<b>Fuel Cost:</b> Cost Per Gallon: \$7.05	<b>Facilities Costs:</b> Hangar/Office LeaseExpense: \$21,323 Misc Office Expense: \$6,100
<b>Private Jet Fuel Consumption:</b> Fuel Consumption, US Gallons Per Hour: 121 Fuel Burn: 600nm (Per		<b>Personnel Costs:</b> Pilots: \$241,190 Technician: \$66,322 Contractors: \$25,000 Total Annual Cost: (AnnualFixed Costs + Variable Costs *Hours Flown): \$1,047,292

<b>Aircraft Type</b>	Business Jets
<b>Make</b>	Embraer
<b>Model</b>	Phenom 100E