2010 EMBRAER PHENOM 100 | SN 50000168

MACH 0.65
PASSENGERS 5
RANGE (NM) 1,178

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AIRCRAFT LISTING DETAILS:

Total Hours: 1150

ENGINES: Pratt & Whitney PW617F-E

Left Right
Total Hours: 1150 1150
Engine Cycles: 655 655

AIRCRAFT HIGHLIGHTS:

· WIFI
· Belted Lav
· Fresh 84-Month Inspection
· Enrolled on JSSI Premium+
· Enrolled on EEC Enhanced

AVIONICS:

· Garmin G-1000 “Prodigy” Avionics Suite with:
  · Triple 12” Garmin Displays
  · Garmin GFC-700 AFCS (Automatic Flight Control System)
  · Dual AHRS (Attitude Heading and Reference System)
· Dual RVSM Compliant Digital Air Data Computers
· Dual Radio Modules
· Dual Digital Auto Control Systems
· EICAS( Engine Indication and Crew Alerting System) with Centralized Maintenance
· TCAS I
· DME
· 2nd Mode S Transponder with Diversity
· WX-500 Stormscope
· Synthetic Vision System
· Enhance TakeOff Package

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FEATURES / OPTIONS:
- Electronic Jeppesen Charts
- Premium Passenger Door
- Sun Shade and Sun Visor
- Smoke Goggles
- Iridium SAT Phone
- Garmin Satellite Datalink System
- Aviator 200 In-Flight Satellite Internet W/ WIFI Router
- Belted Lav
- Custom Cabinetry
- Passenger Address System
- Upgraded Passenger Armrests
- Full Carpet Runners
- Lav Light Upgrade
- Sheepskin Cockpit Seats

INTERIOR:
Standard Four (4) Passenger Center Club Beige Leather Seating, plus One (1) Belted Lav Seat, Custom Storage Cabinet, Custom Armrests, and Two Executive Tables.
MAXIMUM CRUISE SPEED
(35,000 ft / 10,668 m, mid cruise weight) 390 ktas 722 km/hr

NBAA IFR RANGE (100 nm Alternate)
Full fuel, MTOW, and Max Cruise 1,178 nm 2,182 km

AIRPORT PERFORMANCE (Dry, Level, Hard, Zero Wind)
Takeoff distance (SL, ISA, MTOW) 3,125 ft 953 m
Landing distance (SL, ISA, MTOW) 2,636 ft 803 m

CEILING
Maximum certified 41,000 ft 12,500 m

RATES OF CLIMB
All engines 2,005 ft/min 611 m/min
Single engine 521 ft/mi 158 m/m

AIRSPEED LIMITS
Vmo 275 kias 509 km/hr

STALL SPEED
Landing configuration (VREF) 91 kcas 168 km/hr

PRESSURIZATION
Nominal pressure differential 8.3 psi .58 bar

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**OUTSIDE DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
<th>Conversion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall length</td>
<td>42 ft 1 in</td>
<td>12.80 m</td>
</tr>
<tr>
<td>Overall height</td>
<td>14 ft 3 in</td>
<td>4.40 m</td>
</tr>
<tr>
<td>Wingspan</td>
<td>40 ft 4 in</td>
<td>12.30 m</td>
</tr>
</tbody>
</table>

**CABIN DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
<th>Conversion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (excluding cockpit)</td>
<td>132 in</td>
<td>3.35 m</td>
</tr>
<tr>
<td>Height</td>
<td>59 in</td>
<td>1.55 m</td>
</tr>
<tr>
<td>Width</td>
<td>61 in</td>
<td>1.55 m</td>
</tr>
</tbody>
</table>

**ENGINES**

- Two (2) Pratt & Whitney PW617F-E
- Takeoff thrust: 1,695 lb, 7.54 kN
- Bypass ratio: 258:1

**Design Weights and Capacities**

<table>
<thead>
<tr>
<th>Weight/Capacity</th>
<th>Value</th>
<th>Conversion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max ramp weight</td>
<td>10,516 lb</td>
<td>4,770 kg</td>
</tr>
<tr>
<td>Max takeoff weight</td>
<td>10,472 lb</td>
<td>4,750 kg</td>
</tr>
<tr>
<td>Max landing weight</td>
<td>9,766 lb</td>
<td>4,430 kg</td>
</tr>
<tr>
<td>Max zero fuel weight</td>
<td>8,444 lb</td>
<td>3,830 kg</td>
</tr>
<tr>
<td>Max fuel capacity (6.7 lb / gal)</td>
<td>2,806 lb</td>
<td>1,272 kg</td>
</tr>
<tr>
<td>Typical empty weight*</td>
<td>7,000 lb</td>
<td>3,175 kg</td>
</tr>
<tr>
<td>Useful Load**</td>
<td>3,400 lb</td>
<td>1,540 kg</td>
</tr>
<tr>
<td>Payload with full fuel</td>
<td>650 lb</td>
<td>295 kg</td>
</tr>
</tbody>
</table>

*Reflects standard aircraft with typical options and unusable fuel / oil

**Amount of payload and fuel that can be carried based on ramp weight**

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