

2011 EMBRAER PHENOM 100 | SN 50000248



MACH
0.70



OCCUPANTS
7



RANGE (NM)
1,178

CONTACT: GREG OSWALD
greg@soljets.com | +1.847.920.7000

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AIRCRAFT LISTING DETAILS:

Total Hours: 1245

ENGINES: Pratt & Whitney PW617F-E

	Left	Right
Total Hours:	1245	1245
Engine Cycles:	890	890

AIRCRAFT HIGHLIGHTS:

- ADS-B Equipped
- Synthetic Vision
- Premium Passenger Door
- New Carpet
- PermaGuard Paint Protection
- Rigid Lav Door
- Belted Lavatory
- **Enrolled In ESP Gold Lite & EEC Standard**

STANDARD AVIONICS:

- Garmin G1000 "Prodigy" Avionics Suite
- Three 12.4 Inch Active Matrix Liquid Crystal displays
- Dual AHRS
- Dual Air Data Computer
- Integrated Standby and Magnetic Compass
- 3 Axis Autopilot/ Dual Flight Director
- Dual Integrated VHF Communication
- FMS
- Dual GPS
- XM Satellite Weather and Radio Datalink
- EICAS
- Airborne Audio System and Aural Warning
- Dual Audio Control
- Central Maintenance Computer
- Cockpit Voice and Data Recorder
- Mode-S Transponder
- TAWS- B Terrain Awareness Warning System
- Dual RVSM Digital Air Data Computers
- Dual Radio Modules with Dual Digital Audio Control Systems

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FEATURES / OPTIONS:

- ADS-B Equipped
- Synthetic Vision
- Second Transponder (Mode S with Diversity)
- Garmin GWX-68 Color Weather Radar
- Electronic Jeppesen Charts
- Chart View
- Electronic Checklist
- TCAS I
- DME
- Cockpit Flood Light
- Sunshade and Sun Visor
- Belted Lav
- Rigid Lav Door
- Premium Passenger Door

INTERIOR

Standard Four(4) Passenger Center Club with Cream Leather seating with Belted Lavatory, Dark Woodwork, Dual Mid-Cabin Writing Tables, Matte Stainless Steel Hardware and Recent New Carpet.

EXTERIOR

Pure White Base with Royal Blue and Navy Striping Finished with Recent PermaGuard Paint Protection.

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MAXIMUM CRUISE SPEED

(35,000 ft / 10,668 m, mid cruise weight)	390 ktas	722 km/hr
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NBAA IFR RANGE (100 nm Alternate)

Full fuel, MTOW, and Max Cruise	1,178 nm	2,182 km
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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
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RATES OF CLIMB

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

AIRSPEED LIMITS

V _{mo}	275 kias	509 km/hr
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APPROACH SPEED

Landing configuration (V _{fe})	91 kcas	168 km/hr
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PRESSURIZATION

Nominal pressure differential	8.3 psi	.58 bar
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OUTSIDE DIMENSIONS

Overall length	42 ft 1 in	12.80 m
Overall height	14 ft 3 in	4.40 m
Wingspan	40 ft 4 in	12.30 m

CABIN DIMENSIONS

Length (excluding cockpit)	132 in	3.35 m
Height	59 in	150 m
Width	61 in	1.55 m

ENGINES

Two (2) Pratt & Whitney PW617F-E

Takeoff thrust	1,695 lb	7.54 kN
Bypass ration	258:1	

Design Weights and Capacities

Max ramp weight	10,516 lb	4,770 kg
Max takeoff weight	10,472 lb	4,750 kg
Max landing weight	9,766 lb	4,430 kg
Max zero fuel weight	8,444 lb	3,830 kg
Max fuel capacity (6.7 lb / gal)	2,806 lb	1,272 kg
Typical empty weight*	6,983 lb	3,167 kg
Useful Load**	3,488 lb	1,582 kg
Payload with full fuel	650 lb	295 kg

*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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4 ft 11 in
(1.50 m)



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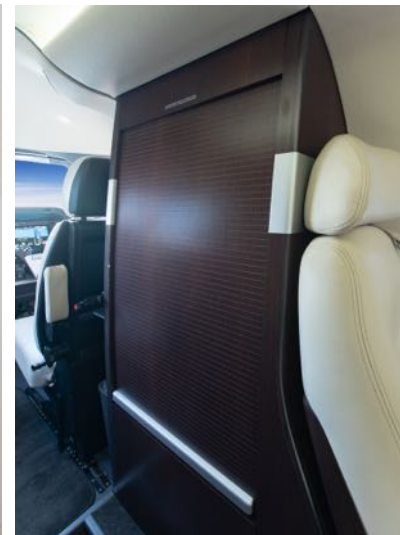
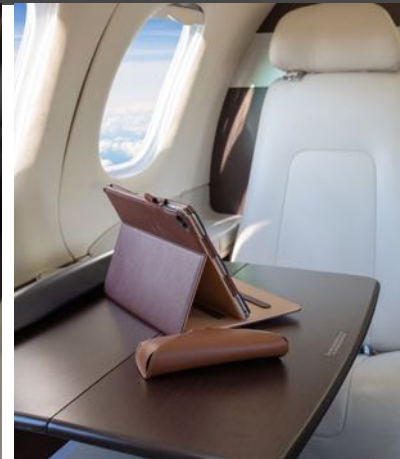
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