





## ◀ INNOVATION

The Phenom 300 redefines the light jet segment. With the Prodigy® Flight Deck 300, our engineers have created the most highly intuitive and professional cockpit available among light jets. This jet really is a single pilot's dream.

## ◀ COMFORT

Every inch of the Phenom 300 has been intelligently designed, and it's not just the cabin that offers unprecedented space. The cockpit has been designed with a human factors philosophy and this jet has the largest galley, baggage and windows in its class.

## ◀ ERGONOMICS

Compromise was never an option when we designed the Phenom 300. From the movement capability of the seats to extensive in-flight entertainment and connectivity within easy reach, this jet is as close to perfection as possible.

## ◀ PERFORMANCE

With best-in-class performance, the Phenom 300 can take-off from challenging airports at high elevations and hot temperatures. With excellent fuel consumption, low operating costs and a redefined aerodynamic design, this jet won't let you down.







◀ REDEFINING THE LIGHT JET CATEGORY





◀ INTUITIVE DESIGN

LEARN MORE ABOUT PHENOM 300  
TECHNOLOGY ONLINE

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# ◀ COMFORT THAT BREAKS WITH CONVENTION







## ◀ IN-FLIGHT CONVENIENCE

LEARN MORE ABOUT PHENOM 300 COMFORT ONLINE

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◀ ATTENTION TO DETAIL



◀ A FRESH APPROACH

LEARN MORE ABOUT PHENOM 300 ERGONOMICS ONLINE

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◀ CLASS LEADING PERFORMANCE





## ◀ PERFORMANCE TECHNOLOGY

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## ◀ AT YOUR SERVICE



Global distribution of Embraer Executive Jets owned and authorized service centers

◀ EMBRAER EXECUTIVE JETS OWNED SERVICE CENTER   ● AUTHORIZED SERVICE CENTER   ★ PARTS DISTRIBUTION CENTER

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# PHENOM<sup>®</sup> 300 BY EMBRAER

With its clean-sheet design, best-in-class performance, exceptional comfort and excellent utility, the Phenom 300 defines the light jet category.

## PERFORMANCE DATA

Range @ 6 Occupants (LRC, NBAA IFR res)	1,971 nm / 3,650 km
High Speed Cruise	453 kt / 839 km/h
Maximum Operating Speed	M 0.78
Take-off Distance (MTOW, SL, ISA)	3,138 ft / 956 m
Landing Distance (MLW, SL, ISA )	2,621 ft / 799 m
Maximum Payload	2,416 lb / 1,096 kg
Maximum Operating Altitude	45,000 ft / 13,716 m
Propulsion	Pratt & Whitney PW535-E
Engine Thrust / Flat Rating	3,360 lbf / ISA + 15°C
Avionics	Prodigy <sup>®</sup> Flight Deck 300
Main Baggage Compartment	66 cu.ft / 1.87 cu.m
Seating Capacity (crew / max occupants)	1 / 10



## AVIONICS – PRODIGY<sup>®</sup> TOUCH 300

Exclusively developed for the Phenom 300, Prodigy<sup>®</sup> Touch 300 takes advantage of Embraer’s extensive experience developing cockpits for commercial and defense aircraft.

- Single-pilot operation flight management system
  - Reduced pilot checklists thanks to smart system’s automation
  - Soft keys on displays minimize navigation time on menus
  - Available Prodigy<sup>®</sup> Touch Integrated Avionics Suite
  - Three 14.1” interchangeable displays
  - Flight Management System (FMS) with graphical flight planning capability – unique in its class
  - Integrated Electronic Standby Instrument (IESI)
- Engine Indication and Crew Alerting System (EICAS)
  - Electronic checklist and system synoptics
  - Charts and Maps (SIDs, STARs)
  - Synthetic Vision System (SVS) – unique in its class
  - Weather radar with vertical scan capability
  - Coupled VNAV and RNP 1
  - WAAS / LPV
  - Datalink via SATCOM – unique in its class
  - Central Maintenance Computer (CMC): quick fault location and isolation

Some features are optional.

**SEATS**

- Retractable arm rests
- Full recline capability
- Full movement capability for all seats

**LARGEST WINDOWS IN ITS CLASS**

**LARGEST GALLEY IN ITS CLASS**

- Ice drawer, provisions for hot jug
- Space for miniature bottles, wine bottles
- Trash compartment

**IN-FLIGHT ENTERTAINMENT (IFE)**

- CD / DVD, XM radio receiver (for US operators), Auxiliary inputs
- 10.4" LCD ceiling-mount monitor
- 7" LCD individual arm monitors
- VIP seat cabin management system control
- Moving map

Some items are optional

**LAVATORY**

- A fully enclosed, externally serviced, chemical lavatory
- Rigid lavatory door as standard
- Optional belted toilet certified for take-off and landing
- Optional lavatory sink

**VOICE AND CONNECTIVITY**

- AirCell high speed in-flight Internet access
- Satellite base in-flight phone system

**THE MOST COMFORTABLE CABIN**

- Exclusive Oval Lite® cabin for more head and leg room
- Largest cabin in its class with two distinct cabin temperature zones
- Best pressurization in class (6,600 ft max)
- Optional 2-place divan (replaces galley), 7th seat (replaces galley), refreshment center (replaces wardrobe)
- Mix and match multiple finishes to tailor to your taste: wood veneer, laminates, leather, carpets, fabric

4 ft 11 in (1.50 m)

3 ft 7 in (1.09 m)

5 ft 1 in (1.55 m)



#### PRATT & WHITNEY ENGINES PW535-E

- High fuel efficiency with low carbon emissions
- Reliability
- 5,000 hours time between overhauls (TBO)
- FADEC – intelligent health monitoring and diagnostics
- 3,360 lbf of maximum thrust per engine
- ISA + 15°C Flat Rating

#### EXTERNALLY SERVICED LAVATORY UNIQUE IN ITS CLASS

- Faster turnaround times
- Avoids waste removal through the cabin

#### SMARTPROBE™

- Two Smartprobes electronically interfaced together
- Combines multi-function probe and air data computer, calculations done at the probe
- Eliminates pneumatic tubing, pressure lag, pressure checks on flight line and angle of attack sensor
- Easier maintenance and replacement, reduced size and power

#### HOT AIR ANTI-ICE UNIQUE IN ITS CLASS

- Only light jet that uses hot air anti-ice for the wings and horizontal stabilizer
- No use of boots

#### LARGEST BAGGAGE COMPARTMENT IN ITS CLASS

#### UNIQUE AIRSTAIR WITH HANDRAIL

#### LARGEST CABIN DOOR

#### BRAKE-BY-WIRE WITH CARBON BRAKES

- Controllability does not vary with temperature
- Fewer maintenance tasks: better economics
- Improved safety
- Anti-skid protection
- Carbon brakes weigh less and have a longer life

#### SINGLE POINT REFUELING

- Maximum refueling time from empty to full is less than 12 minutes
- The external control panel allows refueling of the aircraft with no need to have someone inside the cockpit

#### THE BEST IN CLASS

- Most Delivered Business Jet of 2013
- Best in class climb rate
- Best in class speed
- Best in class performance
- Award-winning aircraft
  - EDITOR'S CHOICE 2010 award by Flying Magazine
  - "Best of the Best Business Jet" awards by Robb Report Magazine





LOS ANGELES



ASPEN



NEW YORK



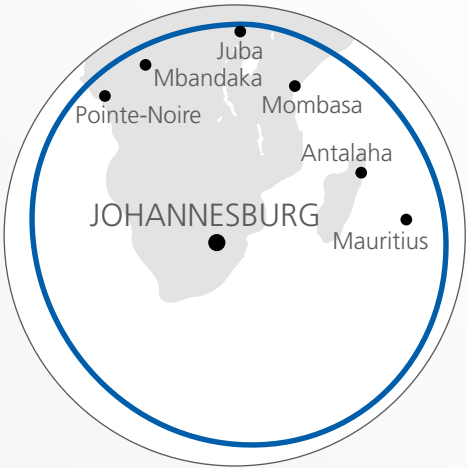
LONDON



MOSCOW



SÃO PAULO



JOHANNESBURG



DUBAI



MUMBAI



BEIJING

< RANGE



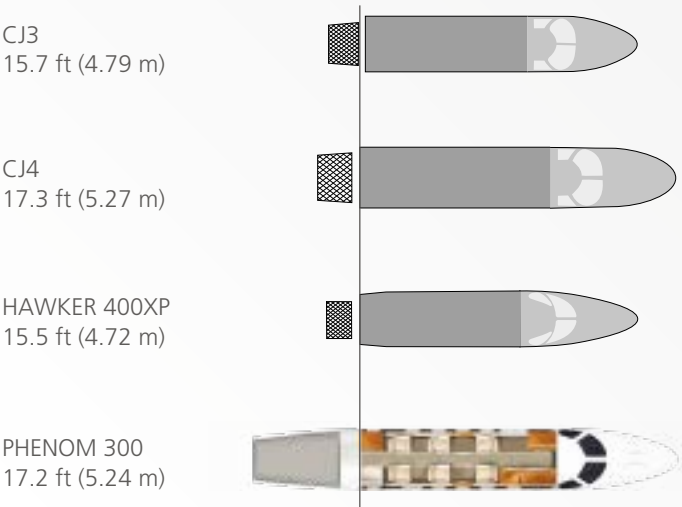
### CROSS SECTION

Compare a competitor’s standard circular cross section to our Oval Lite® design. You’ll see passengers enjoy more head and leg room in the Phenom 300.



CJ4 cross section used as reference.

### CABIN LENGTH

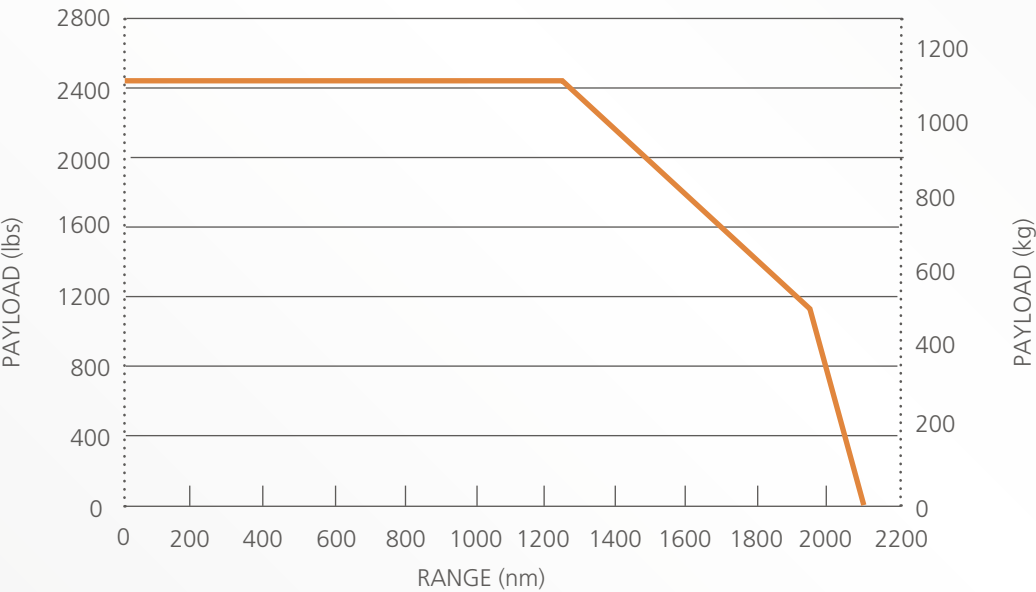


Argus CompAir 2013

← SEE THE DIFFERENCE



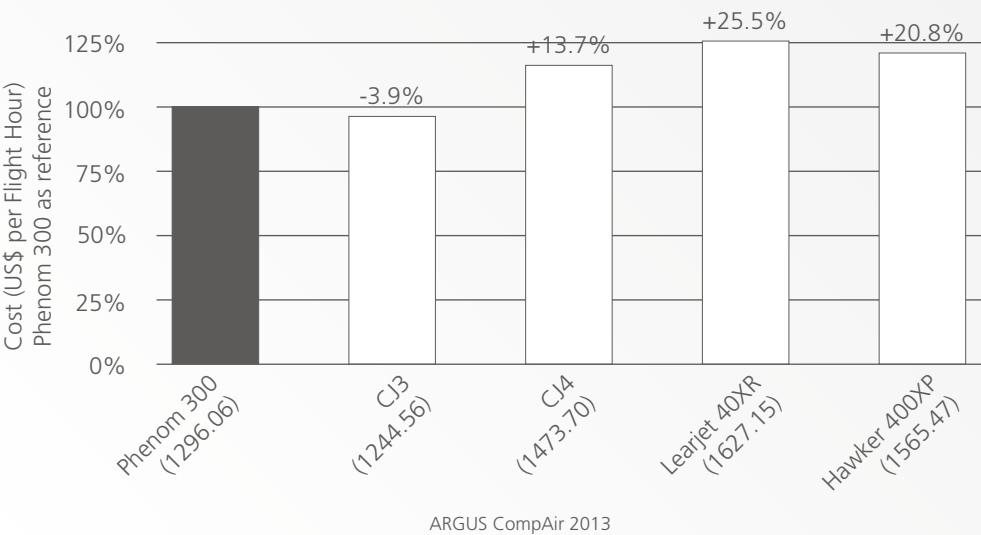
### PAYLOAD VS RANGE



LRC, ISA, Sea Level, NBAA IFR reserves, 1 pilot @ 200 lb, FAA baseline

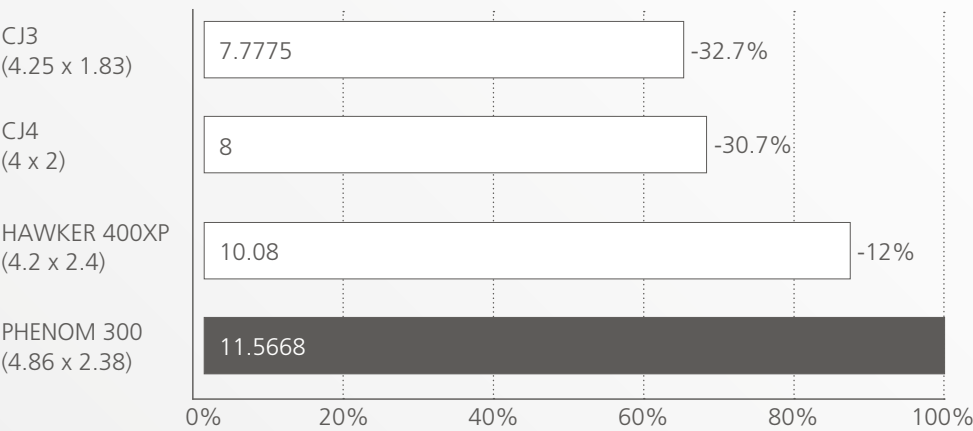
### DIRECT OPERATING COST

The Phenom 300 burns up to 14% less fuel and carbon emissions per typical flight than its closest competitor, making it the greenest aircraft in the category, it's also the least expensive to operate with a total DOC advantage of 18%.



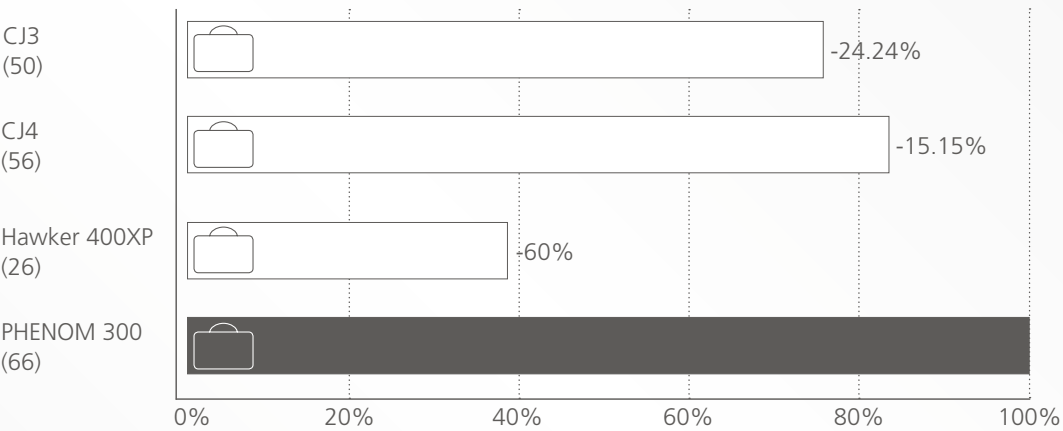
### ENTRY DOOR AREA

The only jet in its class with an airstair door.



Embraer's estimate based on source Conklin & de Decker – Aircraft Performance Comparator 2011/2012

### MAIN BAGGAGE VOLUME



B&CA Purchase Planning Handbook 2010 & Cessna's Materials



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