

# SOLJETS



2020 Embraer Praetor 500

SN 55010058 | N500ML



Passenger

9



Mach

0.83



Range (NM)

3,340

AIRFRAME

Program Coverage: EEC Enhanced

Total Hours: 860

Total Landings: 462

ENGINES - Honeywell AS907-3-1E-A1

Program Coverage: MSP Gold

	Left	Right
Serial Number:	P131383	P131384
Total Hours:	858	858
Engine Cycles:	462	462

APU - Honeywell GTCP36-150

Program Coverage: MSP Gold

Serial Number:	P-277
Total Hours:	417
APU Starts:	927

AIRCRAFT HIGHLIGHTS

- Embraer Enhanced Vision System
- Swift Broadband High Speed Data
- CAMP
- Enrolled on MSP Gold and EEC Enhanced

INTERIOR

- Nine (9) Passenger Seating in Light Beige Leather including Six (6) Executive Seats, Two Place Forward Divan, and Belted Lavatory.

EXTERIOR

- Embraer Brand Paint Scheme.

CONTACT

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## STANDARD AVIONICS

- Rockwell Collins Pro Line Fusion Avionics System
- ADS-B Out
- CAT-II
- Four 15.1-inch active matrix liquid crystal smart displays
- Dual Air Data System RVSM compatible
- Dual Gyrocompass Enhanced Attitude Heading Reference System (AHRS)
- Dual Flight Management System (FMS) with Take-off and Landing performance calculation capability (TOLD)
- Dual Flight Director with fail passive autopilot
- Dual Channel Data Module Cabinet (DMC)
- Dual Display Control Panel (DCP)
- Dual Multifunction Keyboard Panel (MKP)
- Dual Cursor Control Panel (CCP)
- Dual Channel Aural Warning Unit (AWU)
- Dual Digital Audio Control Panel (ACP)
- Dual VHF communication transceivers
- Dual Global Positioning System (GPS) with SBAS/WAAS
- Dual navigation receivers (VOR/ILS/MB)
- Two modular Integrated Processing Cabinets (IPC)
- Synthetic Vision System (SVS) with full-screen presentation
- Autothrottle system
- Engine Indication and Crew Alerting System (EICAS)
- Graphical System Synoptic Presentations Navigation Chart Capability

## STANDARD AVIONICS (continued)

- Integrated Flight Information System (IFIS)
- High-resolution Terrain Maps
- Vertical Profile Window
- Standby Flight Information System (SFIS)
- Flight Control Panel (FCP)
- Reversionary Switch Panel
- Digital Audio System
- Multi-Scan Weather Radar (18" antenna) with Turbulence Detection Mode
- Distance Measuring Equipment (DME) Receiver
- Radio Altimeter
- Traffic Surveillance System (Integrated TCAS II and Enhanced Mode S Transponder System)
- Second Enhanced Mode S Transponder
- Terrain Awareness and Warning System Class A (TAWS-A)
- Onboard Maintenance system (OMS)
- Electronic Checklist
- Cockpit Voice Recorder (CVR)
- Flight Data Recorder (FDR)
- Three-Frequency Emergency Locator Transmitter (ELT)
- Cabin Announcement

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## FEATURES / OPTIONS

- FMS 4D Trajectory – Required Time of Arrival
- RNP AR 0.3
- Second Radio Altimeter
- Single ADF
- E<sup>2</sup>VS – Embraer Enhanced Vision System
- Third VHF
- Dual HF plus SELCAL
- ACARS Datalink
- ACARS over Iridium
- CPDLC over ATN (EASA Link2000+) and FANS 1/A+ CPDLC Package
- Datalink Graphical Weather
- Surface Management System
- Paperless Operation Capability
- Pilot Tables
- Autobrake
- CAT-II
- One Life Raft + life line
- 115 cu. ft. capacity oxygen cylinder
- 110 minutes cargo fire suppression system
- Steep Approach Capability
- Crash Axe

## FEATURES / OPTIONS (continued)

- HALTO
- Towing Kit
- Two (2) Place Divan
- Cabin/Lavatory Curtain
- Cockpit/Cabin Pocket Door
- Main Door Thermo-Acoustic Curtain
- Second LHS Airstair Handrail
- Coffee Brewer
- Enhanced Cabin Management System plus Upper Tech Pannel
- 19" HD Monitor Upgrade - Enhanced CMS
- Provisions for Individual Monitors
- Additional Power Outlets
- Six (6) Enhanced Seats
- Belted Toilet
- Internal Luggage Compartment Shelves
- Servicing Ladder
- Baggage Compartment Ladder
- Iridium Satellite Phone
- Swift Broadband High Speed Data
- Stone Floor in Lavatory
- Stone Veneer Countertops in Lavatory

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MAXIMUM CRUISE SPEED

High Speed Cruise	466 ktas	863 km/hr
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NBAA IFR RANGE

(200 nm Alternate)		
LRC, NBAA IFR reserves	3,340 nm	6,186 km

AIRPORT PERFORMANCE

(Dry, Level, Hard, Zero Wind)		
Takeoff distance	4,222 ft	1,287 m
Takeoff distance (1000 nm mission)	2,842 ft	867 m
Landing distance (SL, ISA, MTOW)	2,086 ft	636 m

RATE OF CLIMB

All engines	2,047 ft/min	624 m/min
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AIRSPEED LIMITS

Vmo	320 KCAS	592.64 km/hr
Mmo	M 0.83	(indicated)

CEILING

Maximum certified	45,000 ft	13,716 m
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PRESSURIZATION

Nominal pressure differential	9.7 psi	.66 bar
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OUTSIDE DIMENSIONS

Overall length	64 ft 7 in	19.68 m
Overall height	21 ft 1 in	6.43 m
Wingspan	70 ft 6 in	21.50 m

CABIN DIMENSIONS

Length (excluding cockpit)	27 ft 6 in	8.37 m
Height	6 ft	1.83 m
Width	6 ft 10 in	2.08 m

ENGINES

Two (2) Honeywell HTF7500E

Takeoff thrust	6,540 lb	29.09 kN
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DESIGN WEIGHTS AND CAPACITIES

Max ramp weight	37,699 lb	17,100 kg
Max takeoff weight	37,567 lb	17,040 kg
Max landing weight	34,172 lb	15,500 kg
Max zero fuel weight	25,960 lb	11,775 kg
Max Usable Fuel	13,058 lb	5,923 kg
Useful Payload	2,921 lb	1324 kg

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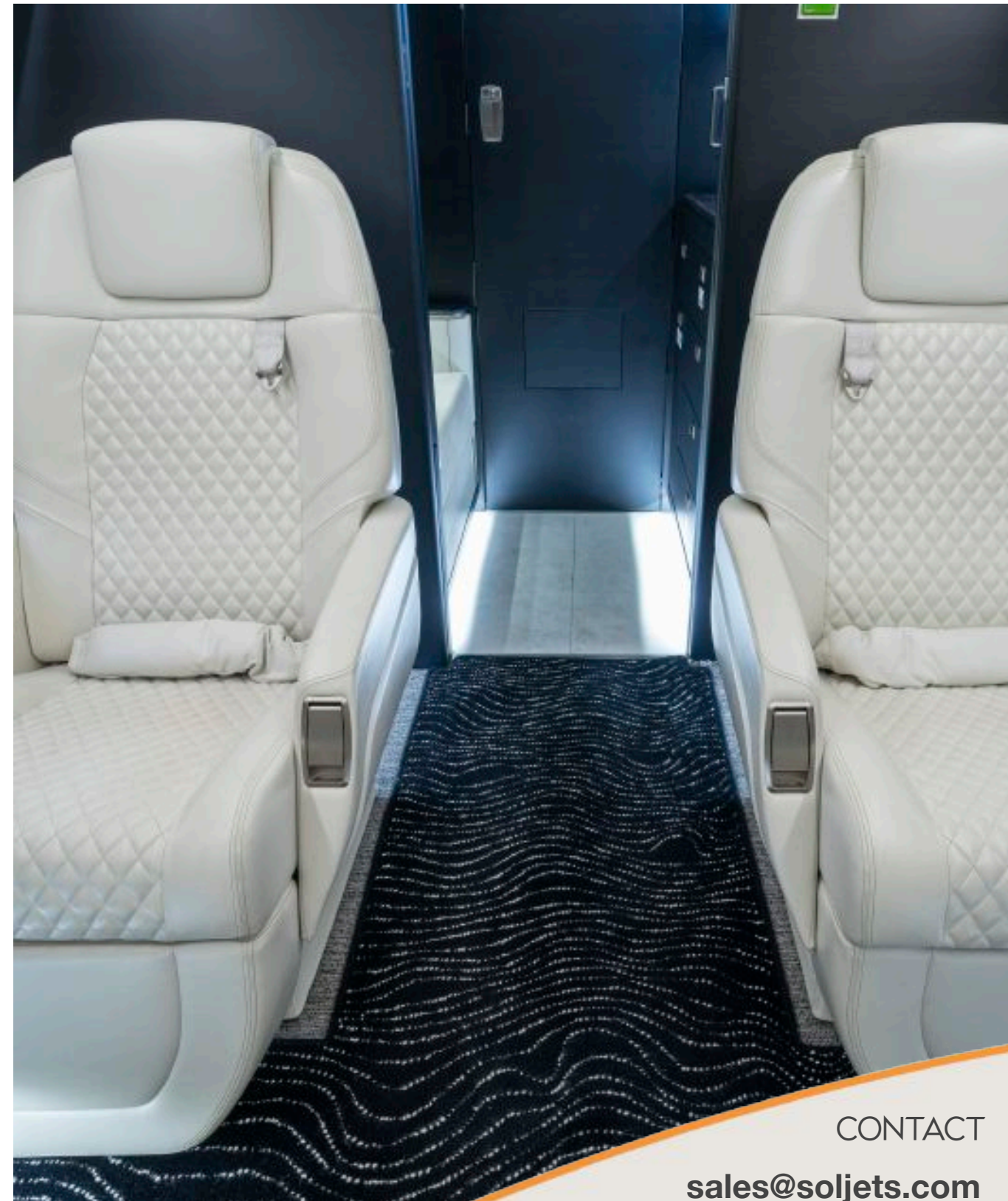


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