

# Available for Sale or Lease



**1997 Embraer ERJ-145EP**  
**MSN145006**  
**N16927**



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Specifications are subject to verification by purchaser/operator. Aircraft is subject to prior sale and/or removal from the market without prior notice.

# 1997 Embraer ERJ-145EP

## Airframe / Engines / APU

Available: September 2013  
MSN: 145006  
Airframe: ERJ-145EP  
32,033 Total Hours  
30,718 Total Cycles  
(As of July 2013)

Engines: Rolls-Royce/Allison AE3007A1  
Engine #1: 34,081 Total Hours  
(CAE310011) 25,081 Total Cycles  
Engine #2: 32,256 Total Hours  
(CAE310056) 24,883 Total Cycles

APU: Hamilton Sundstrand APS 500R  
MSN TBD

## Aircraft Maintenance

Next '10 Year' Heavy Check – September 2014  
Current on calendar and life limited items  
Engines Maintained On Condition  
APU Maintained On Condition



## Weights

Fuel Capacity 1,374 US Gallons  
Max. Takeoff Weight: 46,495 lbs  
Max. Landing Weight: 41,226 lbs  
Max. Zero Fuel Weight: 37,699 lbs

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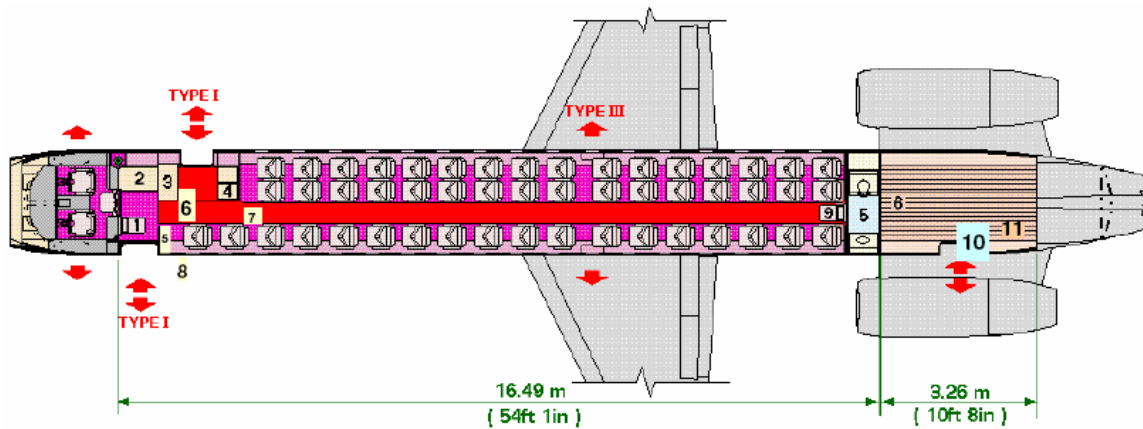
### Avionics

AH-900 Attitude & Heading Reference Unit  
Air Data Computer  
Autopilot Controller (PC-400)  
GPS  
FMS  
Weather Radar  
VHF Communication  
VHF Navigation  
Radio Altimeter  
ADF  
DME  
EGPWS  
Voice Recorder  
DFDR  
TCAS II  
ATC Transponder  
Mode "S" Transponder  
Standby Attitude Indicator

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Sample ExpressJet Interior

Figure 1-19: ERJ 145 Standard Interior Arrangement

- 1 - Flight Attendant Seat (Standard)
- 2 - Wardrobe / Carry on Baggage - 0.93 m<sup>3</sup> (32.9 ft<sup>3</sup>) / 70 kg (154 lb)
- 6 - Stowage Compartment and Galley - 0.45 m<sup>3</sup> (16 ft<sup>3</sup>) / 40 kg (88 lb)
- 7 - Galley - 0.99 m<sup>3</sup> (34.8 ft<sup>3</sup>) / Catering - 160 kg (353 lb)
- 8 - Emergency Equipment Stowage Unit
- 9 - Second Flight Attendant Seat (Optional)
- 10 - Lavatory - 2.0 m<sup>3</sup> (71 ft<sup>3</sup>)
- 11 - Baggage Compartment - 9.2 m<sup>3</sup> (325 ft<sup>3</sup>) / 1,200 kg (2,646 lb)

## Interior

Cockpit	2 Crew
Passenger	50Y Seats
Galleys	1 Forward
Lavatories	1 Aft

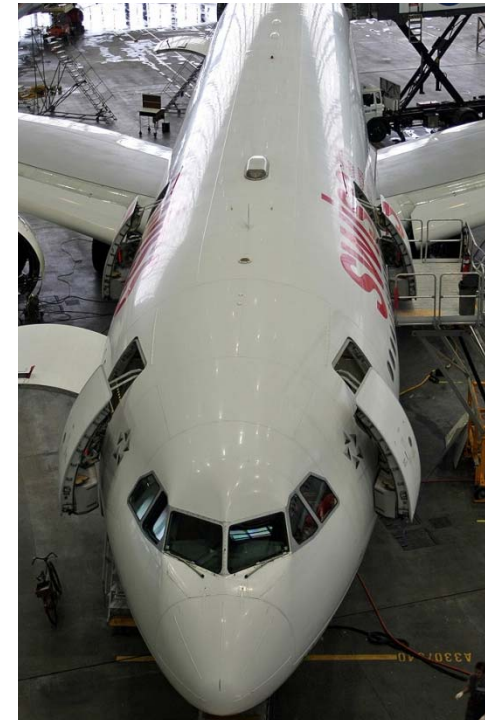
## Exterior

Continental/ ExpressJet Livery  
Overall white with blue lettering and "Globe" tail

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## Maintenance Intervals

<u>DESCRIPTION</u>	<u>SCHEDULED INTERVAL</u>	<u>DATE</u>
ERJ TIRE PRESSURE CHECK 2 CALENDAR DAY		WEEKLY
ERJ SERVICE CHECK 3 CALENDAR DAY		WEEKLY
ERJ ROUTINE CHECK 6 CALENDAR DAY		WEEKLY
ERJ "A" CHECK 1A THROUGH 4A	500 FH	
ERJ "5A" CHECK	2,750 FH	
ERJ "C" CHECK 1C AND 2C	5,000 FC	
TIME SINCE LAST "C" CHECK (1C)		2,231 FC
TIME REMAINING TO NEXT "C" (2C)		2,769 FC
TIME REMAINING TO NEXT "A" (4A)		429 FH
TIME REMAINING TO NEXT "5A"		2,544 FH
TIME REMAINING TO NEXT "4,000 FLT CY" CHECK		1,230 FC
TIME REMAINING TO NEXT "10,000 FLT HR" CHECK		2,370 FH
TIME REMAINING TO "10 YEAR TASKS"		September 2014
TIME REMAINING TO NEXT "30,000 FLT CY" CHECK		27,230 FC
TIME REMAINING TO NEXT "AIRCRAFT WEIGH"		Not Available



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These engines are currently maintained on an "on-condition" basis pursuant the Rolls-Royce Total Care Program. The engines are eligible for continued enrollment in this program, certain restrictions do apply. For more information about TotalCare visit: [www.rolls-royce.com/civil/totalcare](http://www.rolls-royce.com/civil/totalcare)

## Engine Information (310011) As of July 2013



	Remaining Engine Life	
	Current	Total Life
10TH STAGE WHEEL,COMP ROTOR	22,548	30,000
11TH STAGE WHEEL,COMP ROTOR	22,548	30,000
12TH STAGE WHEEL,COMP ROTOR	22,548	30,000
13TH STAGE WHEEL,COMP ROTOR	25,569	30,000
14TH STAGE WHEEL,COMP ROTOR	22,548	30,000
1ST STAGE LP TURBINE WHEEL	2,819	28,500
1ST STAGE WHEEL, COMP ROTOR	26,825	30,000
2ND STAGE HP TURBINE WHEEL	22,548	30,000
2ND STAGE WHEEL,COMP ROTOR	12,548	20,000
3RD LP TURBINE WHEEL	26,825	30,000
3RD STAGE WHEEL, COMP ROTOR	12,548	20,000
4TH STAGE WHEEL,COMP ROTOR	12,548	20,000
5TH STAGE WHEEL,COMP ROTOR	12,548	20,000
6TH STAGE WHEEL,COMP ROTOR	22,548	30,000
7TH STAGE WHEEL	22,548	30,000
8TH STAGE WHEEL,COMP ROTOR	22,548	30,000
9TH STAGE WHEEL,COMP ROTOR	22,548	30,000
CONE SHAFT	22,548	30,000
FAN BLADE FWD RETAINER	12,548	20,000
LP TURBINE WHEEL, 2ND STAGE	26,825	30,000
SHAFT, FAN DRIVE	4,319	30,000
SHAFT,LP TURBINE FWD	5,901	30,000
SPACER 1ST & 2ND STAGE	14,029	30,000
SPACER, INTERSTAGE LP TURBINE	8,013	30,000
SPACER, INTERSTAGE LP TURBINE	8,013	30,000
TURBINE, 1ST STAGE HP	7,006	30,000
WHEEL, FAN	<u>16,122</u>	<u>20,000</u>

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## Engine Information (310065) As of July 2013



	Remaining Engine Life	
	Current	Total Life
10TH STAGE WHEEL,COMP ROTOR	26,831	30,000
11TH STAGE WHEEL,COMP ROTOR	26,831	30,000
12TH STAGE WHEEL,COMP ROTOR	26,831	30,000
13TH STAGE WHEEL,COMP ROTOR	26,831	30,000
14TH STAGE WHEEL,COMP ROTOR	26,831	30,000
1ST STAGE LP TURBINE WHEEL	21,431	30,000
1ST STAGE WHEEL, COMP ROTOR	26,831	30,000
2ND STAGE HP TURBINE WHEEL	22,441	30,000
2ND STAGE LP TURBINE WHEEL	21,431	30,000
2ND STAGE WHEEL,COMP ROTOR	11,431	20,000
3RD LP TURBINE WHEEL	9,034	30,000
3RD STAGE WHEEL, COMP ROTOR	11,431	20,000
4TH STAGE WHEEL,COMP ROTOR	16,831	20,000
5TH STAGE WHEEL,COMP ROTOR	11,431	20,000
6TH STAGE WHEEL,COMP ROTOR	21,431	30,000
7TH STAGE WHEEL,COMP ROTOR	26,831	30,000
8TH STAGE WHEEL,COMP ROTOR	26,831	30,000
9TH STAGE WHEEL,COMP ROTOR	26,831	30,000
CONE SHAFT	26,831	30,000
FAN BLADE FWD RETAINER	16,831	20,000
FAN DRIVE SHAFT	21,431	30,000
SHAFT, LP TURBINE FWD	21,431	30,000
SPACER 1ST & 2ND STAGE	16,359	30,000
SPACER, INTERSTAGE LP TURBINE	21,431	30,000
SPACER, INTERSTAGE LP TURBINE	21,431	30,000
TURBINE, 1ST STAGE HP	26,831	30,000
WHEEL, FAN	<u>16,831</u>	<u>20,000</u>

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