

# THOMAS AVIATION SERVICES, LLC

## Embraer 145 LR

Year Manufactured 2000

Serial Number 145296 Registration N12996  
TTAF 40,264 hrs TCAF 30,787 cls

Former Operator: ExpressJet Airlines  
Information as of April 30, 2017



### WEIGHTS:

Maximum Taxi	50,044 lbs	Maximum Zero Fuel	39,462 lbs
Maximum Take-off	48,501 lbs	Maximum Landing	43,651 lbs
Op Empty Weight	26,981 lbs	Fuel Capacity	11,570 lbs

### ENGINES:

Engine Type/Model: Rolls Royce AE3007A1  
Engine Overhaul / Major CAM: On Condition

	<u>SN</u>	<u>TT</u>	<u>TC</u>	<u>TSEHM</u>	<u>CSEHM</u>	<u>Limiter</u>	<u>TR</u>
LH	AE311487	36,446	27,723	TBA	TBA	Various	7,276 cls
RH	AE311488	34,898	27,047	TBA	TBA	Various	7,440 cls

### AUXILIARY POWER UNIT:

APU Type/Model: Sundstrand M4504113A

	<u>SN</u>	<u>TSLSV</u>	<u>CSLSV</u>	<u>Limiter</u>	<u>TR</u>
SP-E0114065		17	37	T-Wheel	14,963 cls

Box 42718 Washington, DC 20015 USA  
Tel: 202-364-2775 Fax: 202-315-3649  
[www.thomasaviation.net](http://www.thomasaviation.net)

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**LANDING GEAR:**

Gear Make and Model: Liebherr  
 Overhaul: 20,000 cls 144 mos

	<u>Sn</u>	<u>CSO</u>	<u>TR</u>	<u>Next Overhaul</u>
NLG	00765	6,572	13,428 cls	09/19/2025
LH MLG	121	11,903	8,097 cls	01/02/2023
RH MLG	121	12,903	8,097 cls	01/02/2023

**MAINTENANCE:**

	<u>Interval</u>	<u>Remain</u>
1C	5,000 hrs	1,564 hrs
2C	10,000 hrs	6,564 hrs

**INTERIOR:**

50 Passenger      C&D Aerospace Leather Seats  
 Aft Lavatory      AMSAFE 502751-1 Seat Belts  
 Dual Forward Galley

**AVIONICS:**

Primus 1000 Avionics Suite including:  
 Two Primary Flight Displays (PFD)  
 Two Multi Function Displays (MFD)  
 One In Flight Engine Condition Monitoring System (IECMS)  
 Primus III Radio Suite

Dual VHF Comm	Honeywell	RCZ-851/854
VHF Comm	Honeywell	RCZ-833
Dual VHF Nav	Honeywell	RNZ-851
Dual AHRS	Honeywell	AH-900
FMS Computer	Honeywell	NZ-2000
GPS Computer	Honeywell	GNSSU
Dual Air Data Computer	Honeywell	AZ-840
Data Acquisition Unit	Honeywell	DA-800
ACARS	Honeywell	Mark III
SELCAL	Terra	Jet Cal 2
Weather Radar	Honeywell	WU-660
Dual Radio Altimeter	Honeywell	RT-300
CVR	Honeywell	980-6022-001
DFDR	Honeywell	980-4700-019
EGPWS	Honeywell	MK V
TCAS II	ACSS	RT-950

This aircraft is subject to prior sale or withdrawal from the market. The specifications are subject to verification upon inspection.

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**Rolls Royce AE3007A1 - Engine Details**

Engine Serial Number	AE311487	AE311488
Hours Since Inspection	TBA hrs	TBA hrs
Time Since New	36,446 hrs	34,897 hrs

<u>Part</u>	<u>Life</u>	<u>Time Remain</u>	<u>Time Remain</u>
Fan Wheel	20,000 cls	7,487 cls	18,274 cls
Fan Blade Retainer	20,000 cls	7,487 cls	7,440 cls
Shaft, Fan Dive	35,000 cls	7,277 cls	33,247 cls
1 <sup>st</sup> Stage Wheel, Comp Rotor	30,000 cls	17,487 cls	17,440 cls
2 <sup>nd</sup> Stage HP Turbine Wheel	20,000 cls	7,487 cls	7,440 cls
3 <sup>rd</sup> Stage HP Turbine Wheel	20,000 cls	7,487 cls	7,440 cls
4 <sup>th</sup> Stage HP Turbine Wheel	20,000 cls	7,487 cls	7,440 cls
5 <sup>th</sup> Stage HP Turbine Wheel	20,000 cls	7,487 cls	7,440 cls
6 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	17,487 cls	17,440 cls
7 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	17,487 cls	17,440 cls
8 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	17,487 cls	28,274 cls
9 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	17,487 cls	17,440 cls
10 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	17,487 cls	17,440 cls
11 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	17,487 cls	17,440 cls
12 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	17,487 cls	28,274 cls
13 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	17,487 cls	7,440 cls
14 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	17,487 cls	17,440 cls
Cone Shaft	30,000 cls	22,020 cls	28,274 cls
Turbine, 1 <sup>st</sup> Stage HP	35,000 cls	7,277 cls	33,274 cls
Turbine, 2 <sup>nd</sup> Stage HP	20,000 cls	15,020 cls	13,424 cls
Spacer, 1 <sup>st</sup> and 2 <sup>nd</sup> Stage	30,000 cls	12,052 cls	10,177 cls
1 <sup>st</sup> Stage LP, Turbine Wheel	35,000 cls	33,571 cls	33,274 cls
2 <sup>nd</sup> Stage LP, Turbine Wheel	35,000 cls	33,571 cls	33,274 cls
3 <sup>rd</sup> Stage LP, Turbine Wheel	35,000 cls	33,571 cls	33,274 cls
Spacer, Interstage LP Fwd	35,000 cls	10,680 cls	33,274 cls
Spacer, Interstage LP Aft	35,000 cls	33,571 cls	33,274 cls
LPT Fwd Shaft	35,000 cls	7,276 cls	33,274 cls

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