

# THOMAS AVIATION SERVICES, LLC

## Embraer 145 LR

Year Manufactured 2002

Serial Number 145575 Registration N13550  
TTAF 39,265 hrs TCAF 30,284 cls

Operator: ExpressJet Airlines  
Status: In Service  
Availability: November 2018

Information as of September 30, 2018



File Photo

### WEIGHTS:

Maximum Taxi	48,721 lbs	Maximum Zero Fuel	39,462 lbs
Maximum Take-off	48,501 lbs	Maximum Landing	42,549 lbs
Op Empty Weight	26,981 lbs	Fuel Capacity	11,570 lbs

### ENGINES:

Engine Type/Model: Rolls Royce AE3007A1P  
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	AE312013	34,162	26,698	TBA	TBA	Various	8,302 cls
RH	AE312022	33,850	28,588	TBA	TBA	Fan Wheel	4,844 cls

### AUXILIARY POWER UNIT:

APU Type/Model: Sundstrand T-62T-40C14

	<u>SN</u>	<u>CSLSV</u>	<u>Limiter</u>	<u>TR</u>
	SP-E0214255	TBA	T-Wheel	13,243 cls

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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>Days Remain</u>
NLG	00665	11,513	8,217 cls	2,082
LH MLG	1158	13,646	6,354 cls	1,631
RH MLG	374	1,700	18,300 cls	4,028

**MAINTENANCE:**

	<u>Interval</u>	<u>Remain</u>
1C	5,000 hrs	3,855 hrs
2C	10,000 hrs	8,855 hrs
5A	3,250 hrs	2,105 hrs

**INTERIOR:**

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

**AVIONICS: (To Be Verified by Buyer)**

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 and the specifications are subject to verification upon inspection.

**These specifications are subject to change as the aircraft is in revenue service.**

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**Rolls Royce AE3007 - Engine Details**

Engine Model	AE3007A1P	AE3007A1P
Engine Serial Number	AE312013	AE312022
Time Since New	34,162 hrs	33,850 hrs

<u>Part</u>	<u>Life</u>	<u>Time Remain</u>	<u>Time Remain</u>
Fan Wheel	20,000 cls	12,186 cls	4,844 cls
Fan Blade Retainer	20,000 cls	12,186 cls	10,554 cls
Shaft, Fan Dive	35,000 cls	8,302 cls	6,412 cls
1 <sup>st</sup> Stage Wheel, Comp Rotor	30,000 cls	22,186 cls	20,554 cls
2 <sup>nd</sup> Stage HP Turbine Wheel	30,000 cls	22,186 cls	20,554 cls
3 <sup>rd</sup> Stage HP Turbine Wheel	24,200 cls	16,386 cls	14,754 cls
4 <sup>th</sup> Stage HP Turbine Wheel	20,000 cls	22,186 cls	20,554 cls
5 <sup>th</sup> Stage HP Turbine Wheel	20,000 cls	22,186 cls	20,554 cls
6 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	22,186 cls	20,554 cls
7 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	22,186 cls	20,554 cls
8 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	22,186 cls	20,554 cls
9 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	22,186 cls	20,554 cls
10 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	22,186 cls	20,554 cls
11 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	22,186 cls	20,554 cls
12 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	22,186 cls	20,554 cls
13 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	22,186 cls	20,554 cls
14 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	22,186 cls	20,554 cls
Cone Shaft	30,000 cls	22,186 cls	20,554 cls
Turbine, 1 <sup>st</sup> Stage HP	35,000 cls	8,302 cls	6,412 cls
Turbine, 2 <sup>nd</sup> Stage HP	23,000 cls	10,277 cls	4,844 cls
Spacer, 1 <sup>st</sup> and 2 <sup>nd</sup> Stage	30,000 cls	13,083 cls	9,645 cls
1 <sup>st</sup> Stage LP, Turbine Wheel	35,000 cls	8,302 cls	6,412 cls
2 <sup>nd</sup> Stage LP, Turbine Wheel	35,000 cls	8,302 cls	6,412 cls
3 <sup>rd</sup> Stage LP, Turbine Wheel	35,000 cls	8,302 cls	6,412 cls
Spacer, Interstage LP Fwd	35,000 cls	8,302 cls	6,412 cls
Spacer, Interstage LP Aft	35,000 cls	8,302 cls	25,554 cls
LPT Fwd Shaft	35,000 cls	8,302 cls	6,762 cls

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