

# THOMAS AVIATION SERVICES, LLC

## Embraer 145 LR

Year Manufactured 2003

Serial Number 145763 Registration N259JQ  
TTAF 29,733 hrs TCAF 26,929 cls

Status: Storage since January 2019  
Location: Sioux City, Iowa  
Availability: Immediate

Information as of January 16, 2019



File Photo – Previous Livery

### WEIGHTS:

Maximum Taxi	48,722 lbs	Maximum Zero Fuel	39,462 lbs
Maximum Take-off	48,501 lbs	Maximum Landing	42,529 lbs
Op Empty Weight	28,108 lbs	Fuel Capacity	11,435 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	AE312937	29,866	24,296	5,947	5,582	Various	10,704 cls
RH	AE312860	32,247	30,347	585	474	Fan Wheel	8,134 cls

### AUXILIARY POWER UNIT:

APU Type/Model: APS500R / T-62T-40C14

	<u>SN</u>	<u>CSLSV</u>	<u>Limiter</u>	<u>TR</u>
	SP-E0314549	1,680	T-Wheel	12,191 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>Overhaul Date</u>
NLG	00719	6,962	13,038	August 2012
LH MLG	287	6,962	13,038	August 2012
RH MLG	287	6,962	13,038	August 2012

**MAINTENANCE:**

	<u>Interval</u>	<u>Remain</u>
C1	5,000 hrs	4,422 hrs
C2	10,000 hrs	9,422 hrs

**INTERIOR:**

50 Passenger  
 Aft Lavatory  
 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.

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**Rolls Royce AE3007 - Engine Details as of January 20, 2019**

Engine Model	AE3007A1P	AE3007A1P
Engine Serial Number	AE312937	AE312860
Time Since New	29,867 hrs	32,247 hrs

<u>Part</u>	<u>Life</u>	<u>Time Remain</u>	<u>Time Remain</u>
Fan Wheel	20,000 cls	14,418 cls	8,134 cls
Fan Blade Retainer	20,000 cls	14,418 cls	8,134 cls
Shaft, Fan Dive	35,000 cls	10,704 cls	23,134 cls
1 <sup>st</sup> Stage Wheel, Comp Rotor	30,000 cls	24,418 cls	15,321 cls
2 <sup>nd</sup> Stage HP Turbine Wheel	30,000 cls	24,418 cls	29,526 cls
3 <sup>rd</sup> Stage HP Turbine Wheel	24,200 cls	24,418 cls	23,726 cls
4 <sup>th</sup> Stage HP Turbine Wheel	20,000 cls	24,418 cls	29,526 cls
5 <sup>th</sup> Stage HP Turbine Wheel	20,000 cls	24,418 cls	29,526 cls
6 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	24,418 cls	15,321 cls
7 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	24,418 cls	29,526 cls
8 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	24,418 cls	22,411 cls
9 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	24,418 cls	15,321 cls
10 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	24,418 cls	15,321 cls
11 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	24,418 cls	15,321 cls
12 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	24,418 cls	15,321 cls
13 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	24,418 cls	29,526 cls
14 <sup>th</sup> Stage HP Turbine Wheel	30,000 cls	24,418 cls	15,321 cls
Cone Shaft	30,000 cls	24,418 cls	15,321 cls
Turbine, 1 <sup>st</sup> Stage HP	35,000 cls	10,704 cls	16,908 cls
Turbine, 2 <sup>nd</sup> Stage HP	23,000 cls	17,418 cls	10,408 cls
Spacer, 1 <sup>st</sup> and 2 <sup>nd</sup> Stage	30,000 cls	24,418 cls	11,908 cls
1 <sup>st</sup> Stage LP, Turbine Wheel	35,000 cls	10,704 cls	23,134 cls
2 <sup>nd</sup> Stage LP, Turbine Wheel	35,000 cls	10,704 cls	23,134 cls
3 <sup>rd</sup> Stage LP, Turbine Wheel	35,000 cls	10,704 cls	23,134 cls
Spacer, Interstage LP Fwd	35,000 cls	10,704 cls	23,134 cls
Spacer, Interstage LP Aft	35,000 cls	10,704 cls	23,134 cls
LPT Fwd Shaft	35,000 cls	10,704 cls	23,134 cls

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