

## EMBRAER 145 AIRCRAFT SPECIFICATION

### AIRFRAME DETAIL:-

CURRENT DATE:

SHEET UPDATED:

AIRCRAFT TYPE:-	EMBRAER 145		
A/C REG. NO.			
SERIAL NUMBER			
DATE OF MANUFACTURE:	7/28/2000		
TOTAL TIME SINCE NEW:	22284.1		
TOTAL CYCLE SINCE NEW:	23580.0		

### ENGINE DETAILS:-

ENGINE TYPE :-	Allison/Rolls-Royce AE3007A1/1		
LH SERIAL NUMBER.			
TOTAL TIME SINCE NEW	22913.9		
TOTAL CYCLE SINCE NEW	22768.0		
TIME SINCE LAST SERVICE(TSLSV)	3648.4		
CYCLE SINCE LAST SERVICE(CSLSV)	6054.0		
ENGINE TYPE :-	Allison/Rolls-Royce AE3007A1/1		
RH SERIAL NUMBER:-			
TOTAL TIME SINCE NEW	22957.5		
TOTAL CYCLE SINCE NEW	24381.0		
TOTAL TIME SINCE O/H	3648.4		
TOTAL CYCLE SINCE O/H	6054.0		

### APU DETAIL:-

APU TYPE:-	T-62T40C11		
APU MODEL:-	APS500		
PART NUMBER	4501968B		
SERIAL NUMBER:-			
TOTAL TIME SINCE NEW	22288.0		
TOTAL TIME SINCE O/H	19675.0		
TSLSV	1614.0		
CSLSV	4001.0		
Last SV Date and Location	09-Oct-2015,Hamilton Sundstrand		

### Weight & height

Maximum take-off weight	19990 kg		
Maximum landing weight	18700kg		
Operating empty weight	12007kg		
Basic Operating Empty Weight(OEW)	11947.2kg		
Maximum Zero Fuel Weight(MZFW)	17100kg		
Maximum Ramp Weight (MRW)	20090kg		
Maximum payload	5152.4kg		
Maximum Fuel usable Fuel Capacity	5146 litre		
Maximum Cruise Speed	Mach 0.78		
Service Ceiling	11278m/37000ft		
Range Full payload	940Nm		
Wing Span	51.2m square/551Ft square		
Length	29.87m/97ft 12in		

**AVIONICS**

Description	Manufacturer	P/N	Quantity
SSCVR	Allied Signal	980-6022-001	1
Integrated Comm Unit	Honeywell	7510700-665	2
SSFDR	Allied Signal	980-4700-019	1
IC-600 with Autopilot	Honeywell	7017000-82430	1
IC-600 without Autopilot	Honeywell	7017000-83430	2
Air Data Computer	Honeywell	7014700-622	2
Backup Control Head	Honeywell	7513000-835	1
CDU	Honeywell	7007549-901	1
CMC	Honeywell	251-116-013-11	1
DAU	Honeywell	7013348-949	2
EGPWS	Honeywell	965-0976-003-217-217	1
FGC	Honeywell	7021170-951	1
FMS Computer	Honeywell	7018879-02006	1
HF T/R	Honeywell	622-6557-011	1
Integrated Nav Unit	Honeywell	7510100-631	1
Integrated Nav Unit	Honeywell	7510100-633	1
Radio Alt	Honeywell	7001840-937	2
RMU	Honeywell	7013270-965	2
SELCAL	Honeywell	2800-0012-102	1
TCAS 2000 ver. 7.1	Honeywell	7517900-55003	1
Wx Radar WU-880	Honeywell	7021450-801	1
FADEC	Goodrich	23078828	4

**INTERIORS**

Cockpit seating Arrangements	Pilot, Co-pilot and Observer
Number of passenger seats	49
Number and location of Flight Attendant seat	2, FWD and AFT
Number of Galleys	2
Wardrobe	1
Oven	3
Hot Jug	1
Emergency Equipment	As equipped
Baggage compartment	Class D

