

# L410 UVP-E20 AIRPLANE #1

Main components' TBOs as on 19 of September 2018

Unit	TBO	Remaining
Engine GE M601E with water inject	3 000 hours / 6 600 cycles	2 600 / 5 600
Engine GE M601E with water inject	3 000 hours / 6 600 cycles	2 600 / 5 600
Propeller V510	3 500 hours / 72 months	3 500 hours / 72 months
Propeller V510	3 500 hours / 72 months	3 500 hours / 72 months

Unit	TBO	Remaining
Airframe	20 000 hours/ 20 000 landings	12 025 / 14 695
Main gear strut left	16 000 landings	10 695
Main gear strut right	16 000 landings	10 695
Main gear strut front	10 000 landings	4 695

# TECHNICAL SPECIFICATION

## L 410 UVP-E20 AIRPLANE #1

YOM:	2013
MODIFICATION:	L 410 UVP-E20
PASSENGER CABIN:	19/17/15 passenger seats without tables with head cushions, cloth seat covering. Mountable additional rear luggage compartment for 215 or 330 kg. Improved toilet in the rear part of the airplane.
LANGUAGE OF DECALS IN COCKPIT:	English.
LANGUAGE OF OUTER MARKING:	For passengers - Russian; For operational information – English/Russian.
LANGUAGE OF DECALS IN PASSENGER CABIN:	English/Russian.
TECHNICAL MAINTENANCE:	Being operated without general overhaul.
EQUIPMENT \ ACCESSOIRES:	Oxygen equipment Avox (4 balloons, 2 balloons for pilots (1 balloon for each) and 2 balloons for passengers. Main accumulator VARTA (HAWKER). Tip tanks

## **MAIN PARAMETERS:**

### **DIMENSIONS:**

Wing span (including fuel tip tanks)	19.980	m	65.55	feet
Length	14.424	m	47.32	feet
Height	5.829	m	19.12	feet
Wing surface	34.86	m <sup>2</sup>	375.23	feet <sup>2</sup>
Maximal cabin diameter	1.95	m	6.40	feet
Maximal cabin height	1.66	m	5.45	feet
Passenger cabin volume	17.90	m <sup>3</sup>	632	feet <sup>3</sup>
Seat pitch	0.76	m	29.94	inches
Passenger door	0.80 x 1.46	m	2.6 x 4.8	feet
Cargo door	1.25 x 1.46	m	4.1 x 4.8	feet

### **WEIGHTS:**

Max. allowed take-off weight (MTOW)	6.600	kg	14.109	pounds
Max. allowed landing weight	6.400	kg	13.668	pounds
Maximal fuel weight (without fuel in tip tanks)	1.000	kg	2.205	pounds
Maximal fuel weight (with fuel in tip tanks)	1.300	kg	2.866	pounds

### **PERFORMANCE (6.600 kg):**

Maximal cruise speed (TAS) at altitude 10,000 feet	386	km/h	208	knots
Service ceiling	4,200	m	14,000	feet

### **POWER PLANT:**

**Engines GE M601E** (3 000 – flight hours or 6 600 cycles between overhauls):

Maximal take-off output on shaft (ISA, H=0, v=0)	560	kW	751	SHP
Maximal output on shaft in constant working regime (ISA, H=0, v=0)	490	kW	657	SHP
Maximal output on shaft in emergency working mode	595	kW	798	SHP
Weight of dry engine	198	kg	436.5	pounds

**Propellers AVIA V510** (3 500 flight hours between overhauls):

Number of blades	5			pcs
Propeller diameter	2.3	m	7.546	feet
Direction of rotation	CW			
Rotation speed (take-off output)	2,080	rpm		
Weight	94	kg	207	pounds

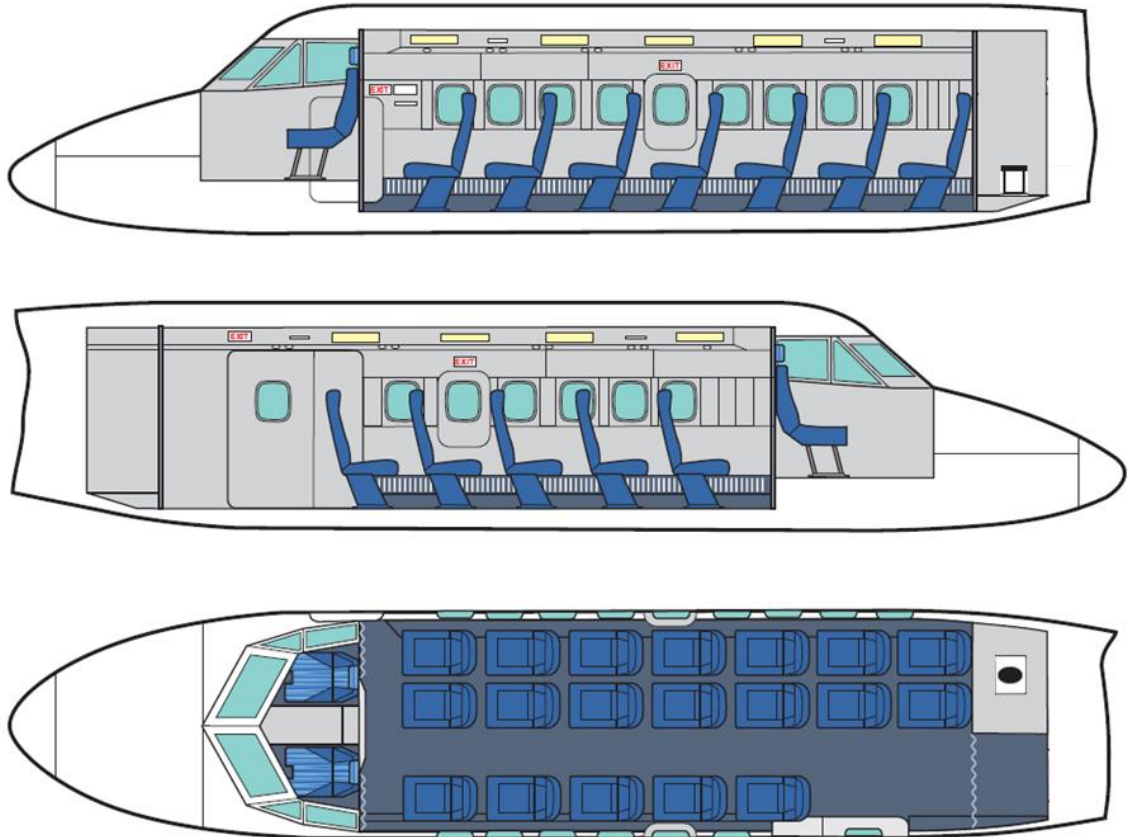
**FLIGHT INSTRUMENT AND RADIO COMMUNICATION**

1	Electronical sytem for flight indication	EFI-890R	2 sets
2	AHRS	AHS-1000A	2 sets
3	Indication system for flight parameters	AC32.10.21.11.AF	2 sets
4	NAV/ COM/ GPS	GNS 430 W	2 sets
5	MKR - marker	KMR 675	1 set
6	ADF – Radio compass	KR 87	2 sets
7	DME	KDM 706A	1 set
8	Communication device and situational awareness system	KMA 24H-70	2 sets
9	Radar beacon transponder I	MST 67A	1 set
10	Radar beacon transponder II	GTX 330 D	1 set
11	Flight data recorder	FA 2200	1 set
12	Emergency location transmitter	ELT C406-2	1 set
13	Cockpit voice recorder	FA 2100	1 set
14	Weather radar	RDR 2000	1 set
15	Radioaltimeter	KRA 405B	1 set
16	EGPWS	MARK VI	1 set
17	Portative emergency locator beacon	ARM-406AS1	1 set
18	Autopilot	KFC 325	1 set
19	Air traffic awareness system	TCAS II	Prepared for installation

**INSTRUMENTATION SYSTEM:**

1	Speed indicator - spare	5A16 или LUN 1106.K5Bx	1 set
2	Barometric pressure altimeter - spare	3A62	1 set
3	Авиагоризонт - запасной	4300-412 or LUN 1241.D8D5R	1 set
4	Магнитный компас	5LUN 1224-8	1 set
5	Указатель крутящего момента	LUN 1539.02-8	2 sets
6	Указатель оборотов газогенератора	LUN 1347.83-8	2 sets
7	Указатель обор. воздушного винта	LUN 1348.03-8	2 sets
8	Указатель температуры между турбинами	LUN 1370.08-8	2 sets
9	Three-arrow indicator	LUN 1538.01-8	2 sets
10	Fuel level indicator (main)	LUN 1634.01-8	2 sets
11	Tip tank fuel fuel level indicator	LUN 1674-8	2 sets
12	Fuel level indicator	PC 900-1	2 sets
13	Two-arrow indicator of air temperature	LUN 5610.01-8	1 set
14	Clock	115EG-7780	2 sets

## **AIRPLANE INTERIOR FOR 19 PASSENGERS:**



## **ACCOMPANYING DOCUMENTS (originals in English with translation into Russian):**

### A/ TECHNICAL DOCUMENTATION

1. Airplane logbook	1 book
2. Engine logbook	2 books
3. Propeller logbook	2 books
4. Passports and Certificates for aggregates/instruments	5 sets
5. Book of hoses	1 book
6. Protocol of aircraft rigging	1 set
7. Protocol of aircraft weight and balance	1 set
8. Protocols of calibration of recording of flight data	1 set
9. Protocol of system check EFI-890R	1 set
10. Protocol of calibration of spare altimeter	1 set
11. Protocol of final test flight	1 set
12. Instructions for safety of passengers	1 set

## B/ OPERATIONAL DOCUMENTATION

1. Airplane Flight Manual for the L 410 UVP E-20 1 book  
Russian translation: Airplane Flight Manual for the L 410 UVP E-20 1 book
2. Checklist of Emergency, Abnormal and Normal procedures  
L 410 UVP – E20 1 CD  
Russian translation: Checklist of Emergency, Abnormal and Normal procedures  
L 410 UVP – E20 1 book
3. Master Minimum Equipment List L 410 UVP-E, E9, E20 1 CD  
Russian translation: Master Minimum Equipment List L 410 UVP-E E20  
1 book
4. Maintenance Manual for for the L 410 UVP-E, E9, E20 aeroplane 1 CD  
Russian translation: Maintenance Manual for for the L 410 UVP-E20 aeroplane  
7 books
5. Maintenance Schedule for the L 410 UVP-E20 Aeroplane  
without overhaul 1 CD  
Russian translation: Maintenance Schedule for the L 410 UVP-E20 1 book
6. Inspection Manual for the L 410 UVP-E, E9, E20 1 CD  
Russian translation: Inspection Manual for the L 410 UVP-E 1 book
7. Wiring Manual for the L 410 UVP-E, E9, E20 aeroplane 1 CD  
Russian translation: Wiring Manual for the L 410 UVP-E20 2 books
8. V 510 (E-1500) Operation And Installation Manual 1 CD  
Russian translation: V 510 Operation And Installation Manual
9. Maintenance Manual Turboprop Engine Model GE M601E  
(No. 1) 1 CD  
Russian translation: Maintenance Manual Turboprop Engine Model GE M601E  
(No. 2)
10. Ground and flight check procedures for the L 410 UVP-E, E9, E20 1 book  
Russian translation: Ground and flight check procedures 1 book
11. Illustrated Parts Catalogue for L 410 UVP-E20 Aeroplane 1 CD
12. Repair Manual for the L 410 UVP-E20 1 CD  
Russian translation: Repair Manual for the L 410 in field conditions 1 book
13. List of performed mandatory bulletins 1 set  
Russian translation: List of performed mandatory bulletins 1 set
14. Program for decoding of flight data «ROSE» 1 CD