



TECHNICAL SPECIFICATIONS

OF

ATR 42-500

MSN : 0801

June 30th 2020

Status at 12962 FH and 10945 CY

MRBR Rev. 22 dated 01 juin 2019

MPD Rev. 24 dated 21 Octobre 2019



TECHNICAL SPECIFICATIONS

1 - AIRCRAFT TYPE : 42-500 **MSN :** 0801 **AS OF :** 30-Jun-20

FIRST FLIGHT : 3-Feb-09 **FIRST COMMERCIAL FLIGHT:** 21-Oct-09
CURRENT REGISTRATION : F-OFSP
PREVIOUS OPERATOR : ATR
TOTAL FLIGHT HOURS : 12962,00
TOTAL CYCLES : 10945,00

2 - ENGINES : **Oil Type** EXXON 2380
Engine maintained under : O/H condition

	LH		RH	
	PW127M	RGB	PW127M	RGB
MANUFACTURER TYPE :	TM	RGB	TM	RGB
MANUFACTURER SERIAL NUMBER :	ED0133	ED0133	ED0135	ED0135
TSN	12433:17	12433:17	12340:26	12340:26
CSN	10485	10485	10404	10404
TSHSI	1326:08	-	1613:01	-
TIME TO NEXT HSI :	-	-	-	-
TSO	N/A	N/A	N/A	N/A

	TBO	Engine LCFs #1 ED 0133		Engine LCFs #1 ED 0135	
		Actual Status		Actual Status	
		Elapsed	Remaining	Elapsed	Remaining
Impeller, LP	15000,00	10485,00	4515,00	10404,00	4596,00
Impeller, HP	15000,00	10485,00	4515,00	10404,00	4596,00
Cover, HP Turbine Front	15000,00	10485,00	4515,00	10404,00	4596,00
Cover, HP Turbine Rear	15000,00	10485,00	4515,00	10404,00	4596,00
Disk, HP, Turbine	15000,00	10485,00	4515,00	10404,00	4596,00
Disk LP, Turbine	15000,00	8926,00	6074,00	10404,00	4596,00
Disk, PT 1st Stage	30000,00	10485,00	19515,00	10404,00	19596,00
Disk, PT 2nd Stage	30000,00	10485,00	19515,00	10404,00	19596,00
Seal Air Interstage	15000,00	1066,00	13827,40	10404,00	3555,60
HP Blades	3000,00	1350,00	1650,00	1637,00	1363,00

PROPELLERS :

3 - TBO : 10500 FH OR 7 YE = 84 MONTHS

	LH	LH HUB	RH	RH HUB
MANUFACTURER TYPE / P/N:	568F-1	815470-2	568F-1	815470-2
MANUFACTURER SERIAL NUMBER :	FR20081252	223	FR20081253	20080919
TSN	12962:00	7574:26	12601:04	12601:04
TSO	5654:19	5654:19	5293:23	5293:23
TIME REMAINING TO NEXT OVERHAUL :	4845:41	4845:41	5206:37	5206:37
TIME REMAINING TO NEXT OVERHAUL :	27 MO	27 MO	31 MO	31 MO

LH PROP

TBO : 10500 FH OR 7 YE = 84 MONTHS

	Blade 1	Blade 2	Blade 3	Blade 4	Blade 5	Blade 6
P/N	R815505-6	R815505-6	R815505-6	R815505-6	R815505-6	R815505-6
S/N	FR200812023RT	FR200812026RT	FR200812031RT	FR200812030RT	FR200812025RT	FR200812028RT
TSN	12600:54	12600:54	12411:01	12293:45	11932:49	12293:45
TSO	5293:23	5293:23	5654:19	5654:19	5654:19	5654:19
REM TO O/H :	5206:37	5206:37	4845:41	4845:41	4845:41	4845:41
REM TO O/H :	31 MO	31 MO	27 MO	27 MO	27 MO	27 MO

RH PROP

TBO : 10500 FH OR 7 YE = 84 MONTHS

	Blade 1	Blade 2	Blade 3	Blade 4	Blade 5	Blade 6
P/N	R815505-6	R815505-3	R815505S3W	R815505-3	R815505-6	R815505-6
S/N	FR200812027RT	FR200806038RT	FR200710030RT	FR200806039RT	FR200812029RT	FR200807079RT
TSN	12586:44	6697:50	13078:47	7175:53	12108:46	15359:18
TSO	6322:34	N/C	6322:34	N/C	6322:34	6205:18
REM TO O/H :	4177:26	3801:10	4177:26	2323:47	4177:26	4294:42
REM TO O/H :	21 MO	16 MO	21MO	13 MO	19 MO	20 MO

LANDING GEARS :

4 - TBO : 20000 CY OR 9 YE = 108 MONTHS

	NLG	LH-MLG	RH-MLG
MANUFACTURER PART NUMBER :	D22698500-6/A	D22685500-7/B	D22686500-7/B
MANUFACTURER SERIAL NUMBER :	B647	MN452	MN452
CSN	10720	10720	10720
CSO	2005	2005	2005
REMAINING TO NEXT O/H :	17995	17995	17995
DATE OF NEXT O/H :	23 AVRIL 2027	23 AVRIL 2027	23 AVRIL 2027



5 - **AIRFRAME MAINTENANCE PROGRAM :**

42-500

MSN : 0801

**AIR SAINT PIERRE HAS A SPECIFIC MAINTENANCE PROGRAM WHICH IS EQUALIZED.
FOR THE SALE PURPOSE A BRIDGING CHECK HAS BEEN PERFORMED TO COME BACK ON BLOCKS**

NEXT SCHEDULED AIRFRAME CHECKS :

<u>CHECK</u>	<u>LAST DONE</u>	<u>NEXT DUE</u>	<u>REMAINING</u>
C1=1A2-2A2-1C20	4977.13	24977.13	12573:28
C2=1A2-2A2-1C20	9911:09	29911.09	17328:35
C3=1A2-2A2--1C20		15000.0	3028:00
C4=1A2-2A2-1C20		20000.0	7038:00
1YE CHECK	29.11.19	29.11.20	5 MONTH
2 YEAR CHECK	29.11.18	29.11.20	5 MONTH
4 YEAR CHECK	30.11.16	29.11.20	5 MONTH
8 YEAR CHECK	30.11.16	29.11.24	53 MONTH
12 YEAR CHECK		29.11.20	5 MONTH
3000 CY CHECK	8966	11966	1021 CYCLES
6000 CY CHECK	5972	11972	1027 CYCLES
12000 CY CHECK		11972	1027 CYCLES
24000 CY CHECK		23972	13027 CYCLES
36000 CY CHECK		35972	25027 CYCLES



6 - MAIN FEATURES OF THE AIRCRAFT :

42-500

MSN : 0801

WEIGHTS :

KG

KG

MAXIMUM WEIGHT RAMP
MAXIMUM TAKE-OFF WEIGHT :
MAXIMUM LANDING WEIGHT :
OPERATIONAL EMPTY WEIGHT :
MAXIMUM ZERO FUEL WEIGHT :
MAXIMUM PAYLOAD :
MAXIMUM FUEL :

MWR :
MTOW :
MLW :
OEW :
MZFW :
MP :
MF :

18770
18600
18300
11721
17000
5300
4500

AVIONICS :

DESIGNATION

MANUFACTURER

TYPE

AFCS	HONEYWELL	FZ 600 (CAT II)
VHF COM	COLLINS	VHF22A
ELT	ALTA	ADT 406S
SSCVR	FAIRCHILD	FA2100
ELT	ELTA	ADT 406
SSFDR	FAIRCHILD	FA2100
WEATHER RADAR	HONEYWELL	WR 800
VOR / ILS	COLLINS	VIR32
DME	COLLINS	DME-42
ADF	COLLINS	ADF-60A
ATC MODE S	COLLINS	TDR94D-007
EGPWS	SUNDSTRAND	MARK8
GNSS	HONEYWELL	HT1000
TCAS (ACAS II)	COLLINS	TTR921
RADIO ALTI	TRT	ERT011
MPC	SAGEM	ED35E
ELECTRONIC FLIGHT BAGS	APPLE	
SLS (SBAS LANDING SYSTEM)	CMC ELECTRONICS	CMA-5024

PASSENGER SEATS :

NUMBER OF SEATS :	46
MANUFACTURER :	SICMA
COVER TYPE :	TISSUE
RECLINABLE :	YES

PITCH :	30
SERIE :	9411
COLOR :	BLUE

GALLEY DESCRIPTION :

HOT JUGS	2
HALF SIZE TROLLEY	1
STANDARD UNIT	4

OTHER FEATURES :

ENG PARAMETERS RECORDING SYSTEM
FUEL QTY IN KG
INDIVIDUAL AIR OUTLETS
INDIVIDUAL READING LIGHTS
WINDOW BLINDS
PASSENGER ADDRESS TAPE REPRODUCER
TOILET OCCUPIED SIGN
REINFORCED COCKPIT DOOR
CONTAINER TRANSPORT CAPABILITY
MFZ INCREASE +300 KG
TOTAL FLOOR REINFORCEMENT
OPERATION ON NARROW RUNWAYS
OPERATION ON RUNWAYS WITH SLOPE BETWEEN 2% AND 4,5%
STEEP APPROACH
CAT II AFCS
THIRD AUDIO CONTROL PANEL
MODIFIED LHS REAR PARTITION FOR STRETCHER CLEARANCE
FRONT CARGO DOOR OPENABLE FROM INSIDE