

***AIRCRAFT TECHNICAL SPECIFICATIONS***

***ATR72 -212A (500)***

# Aircraft General Data

As for: 20.May.2022

Model	ATR72 -212A (500)	Total Time Since New	19981:20
Serial Number	xxx	Total Cycles Since New	35892
Date of Manufacture	03.Mar.2006	Current Registration	xxxxxxx
Last Operator	xxxxxx		

## Engines

### Left Engine

Model	PW127F
Serial Number	EB0113
Date of Manufacture	19.May.2004
Manufacturer	Pratt & Whitney Canada

Total Time Since New	21248:27
Total Cycles Since New	39274
Time Since Overhaul	9838:09
Cycles Since Overhaul	17949
Time Since HSI	511:31
Cycles Since HSI	986

RGB Serial Number	EB0167
Total Time Since New	21446:09
Total Cycle Since New	39808
Time Since Overhaul	9838:09
Cycles Since Overhaul	17949

### Right Engine

Model	PW127F
Serial Number	EB0167
Date of Manufacture	19.May.2004
Manufacturer	Pratt & Whitney Canada

Total Time Since New	23579:10
Total Cycles Since New	43531
Time Since Overhaul	11947:10
Cycles Since Overhaul	21687
Time Since HSI	763:03
Cycles Since HSI	1474

RGB Serial Number	EB0181
Total Time Since New	21235:55
Total Cycle Since New	39217
Time Since Overhaul	11946:55
Cycles Since Overhaul	21687

### Left Engine LCF's

LCF	CSN	Remaining*
LP Impeller	10720	4280
HP Impeller	10720	4280
HP Front Cover (FCF = 1,15)	986	12057,5
HP Turbine Disc	10890	4110
HP Blade Set	986	14014
HP Rear Cover	10890	4110
HP Air Seal (FCF = 1,25)	986	11014
LP Turbine Disk	10720	4280
PT Disc Stage 1	10351	19649
PT Disc Stage 2	10351	19649

### Right Engine LCF's

LCF	CSN	Remaining*
LP Impeller	1474	13526
HP Impeller	1474	13526
HP Front Cover (FCF = 1,15)	4948	8095,5
HP Turbine Disc	4948	10052
HP Blade Set	4948	10052
HP Rear Cover	4948	10052
HP Air Seal (FCF = 1,25)	4948	7052
LP Turbine Disk	1474	13526
PT Disc Stage 1	17352	12648
PT Disc Stage 2	17352	12648

\*LCF's Cycles Remaining times calculated iaw applicable FCF

1st Stage PT Blades  
P/N 3123943-01  
TSN 5617 FH  
Soft time interval 10000FH

1st Stage PT Blades  
P/N 3123943-01  
TSN 756 FH  
Soft time interval 10000FH

# Propellers

## Left Propeller Assy

Description	P/N	S/N	TSN	TSO	Installation Date
ACTUATOR	815585-7	20071011	15307:47	4876:50	N/A
HUB	815470-2	762	20550:21	814:56	14.Dec.2019
TRANSFER TUBE	815587-1	20070516	20032:13	9606:13	N/A
BLADE 586F	R815505-6	FR2017030049RT	5407:44	-	07.Jul.2017
BLADE 586F	R815505-6	FR2017030040RT	5407:44	-	07.Jul.2017
BLADE 586F	R815505-6	FR201012024RT	18338:54	3519:54	03.Feb.2019
BLADE 586F	R815505-6	FR200911064RT	16944:08	6598:08	30 Jul.2016
BLADE 586F	R815505-6	FR201309075RT	12898:26	2457:26	05.Dec.2018
BLADE 586F	R815505S3W	FR20040626RT	20046:39	4510:39	22.Oct.2016

## Right Propeller Assy

Description	P/N	S/N	TSN	TSO	Installation Date
ACTUATOR	815585-7	FR2017110011	1140:42	-	N/A
HUB	815470-2	406	21553:13	1140:42	05.Oct.2019
TRANSFER TUBE	815587-1	2008112	20037:19	9683:19	N/A
BLADE 586F	R815505-6	FR201009033RT	15588:50	1215:50	20.Sep.2019
BLADE 586F	R815505-6	FR201605112RT	5691:44	-	24.Jun.2016
BLADE 586F	R815505-6	FR2019040116RT	1140:42	-	06.Oct.2019
BLADE 586F	R815505-6	FR201605123RT	5691:44	-	24.Jun.2016
BLADE 586F	R815505-6	FR201605051RT	5691:44	-	24.Jun.2016
BLADE 586F	R815505-6	FR2019040060RT	1814:18	-	21.May.2019

# Landing Gears

## Nose Landing Gear

Part Number	D22698172
Serial Number	B474
Total Time Since New	23504:34
Total Cycles Since New	43615
Time Since Overhaul	3528:34
Cycles Since Overhaul	6167
Date of last OH	05.Feb.2018
Next OH due on	03.Feb.2027

## Left Main Landing Gear

Part Number	D23189000
Serial Number	MN242
Total Time Since New	32438:53
Total Cycles Since New	61324
Time Since Overhaul	3832:53
Cycles Since Overhaul	7331
Date of last OH	05.Oct.2017
Next OH due on	05. Oct.2026

## Right Main Landing Gear

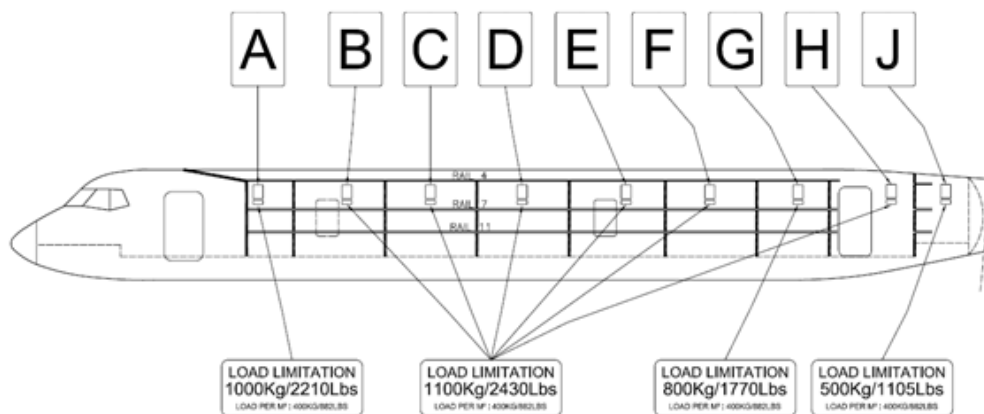
Part Number	D23190000
Serial Number	MN242
Total Time Since New	32424:53
Total Cycles Since New	61292
Time Since Overhaul	N/A
Cycles Since Overhaul	7331
Date of last OH	26.Sep.2017
Next OH due on	26.Sep.2026

# Aircraft Characteristics

## Weights

Operational Empty Weight (OEW)	11695 Kg
Maximum Design Taxi Weight (MTW)	22970 Kg
Maximum Design Take-off Weight (MTOW)	22800 Kg
Maximum Design Landing Weight (MLW)	22350 Kg
Maximum Design Zero Fuel Weight (MZFW)	20800 Kg

## Cabin Layout



## Cabin Configuration

Vertical Net Freighter Conversion STC  
Windows Plugs STC

Aeroconseil  
Liteair Aviation Products

## Maintenance Schedule

### Calendar Based Checks

Check	Interval	Last Performed	Deadline
1YE	1 Year	17.Jun.2022	02.Mar.2023
2YE	2 Years	30.Jul.2021	17.Jun.2023
4YE	4 Years	30.Jul.2021	16.Jul.2025
8YE	8 Years	05.Jan.2022	30.Jul.2029
12YE	12 Years	17.Jul.2017	17.Jul.2029

### Flight Hours Based Checks

Check	Interval	Last Performed	Remaining
1A	750 H	19974:25	743:5
2A	1500 H	19974:25	1493:5
3A	2250 H	19974:25	2243:5
4A	3000 H	19974:25	2993:5
1C	5000 H	19322:59	4341:39
2C	10000 H	18261:19	8279:59
4C	20000 H	19322:59	19341:39

### 36000 Cycles Check

Check	Interval	Last Performed	Remaining
36KCY	36000 FC	34953 FC	-

# Avionics

## Autopilot

Designation	Manufacturer	Part Number	Quantity
Advisory Display Unit	Honeywell Inc	7003652-602	1
Control Panel	Honeywell Inc	7003975-602	1
AP/FD Computer	Honeywell Inc	7003974-606	1

## Communications

Designation	Manufacturer	Part Number	Quantity
Control Panel VHF/COM	Rockwell Collins	822-2175-003	2
VHF/COMM Transceiver	Rockwell Collins	822-1113-021	2
Audio Control Panel	T.E.A.M.	ACP2531	2
Remote Control Audio Unit	T.E.A.M.	CAU2533AC01	1
CVR	L3 – Communications	2100-1020-02	1

## Emergency

		Part Number	Quantity
ELT	ELTA	ELT96A2560000000	1

## Indicating and Recording

Designation	Manufacturer	Part Number	Quantity
MPC	SAGEM	ED35E109-01-05	1
DFDR	L3 – Communications	2100-4043-00	1
FDAU	SFIM	ED34A350	1
Multifunction Computer	EADS Airbus	LA4E20606HM0100	2

## Navigation

Designation	Manufacturer		Quantity
VOR/ILS/DME Control Panel	Rockwell Collins	622-6521-011	2
VOR/ILS/MKR Receiver	Rockwell Collins	622-6137-201	2
ADF Receiver	Rockwell Collins	622-2362-001	2
DME Receiver	Rockwell Collins	622-6263-003	2
Radio Altimeter Transceiver	Thales Avionics	9599-607-14562	1
ATC Transponder	Rockwell Collins	622-9210-501	2
ATC Control Panel	Rockwell Collins	822-1807-004	1
EGPWS MKVIII	Sundstrand	965-1206-011	1
ADC	Honeywell Inc	7000700-961	2
Altimeter	Honeywell Inc	4016341-906	2
VSI / TCAS Indicator	Honeywell Inc	457400TC0812	2
Airspeed Indicator	Honeywell Inc	7002860-909	2
SAT/TAT-TAS Indicator	Honeywell Inc	7002638-907	1
Standby Altimeter	Thales Avionics	64141-362-1	1
Standby Airspeed Indicator	Thales Avionics	64050-662-1	1
Standby Compass	Smiths Industries	KCA0105W	1
RMI	Poly Scientific	520-3337-213	2
Standby Horizon	Thales Avionics	H321BDM1	1
AHRU	Honeywell Inc	7003360-946	2
Flux Valve	Honeywell Inc	7010133	2
TCAS Computer	Rockwell Collins	822-1293-033	1
TCAS Control Unit	Rockwell Collins	822-2182-103	1
Transceiver WX Radar	Honeywell Inc	7021450-601	1
Antenna WX Radar	Honeywell Inc	7021451-418	1
EFIS	Honeywell Inc	7003110-912	4
EFIS Control Panel	Honeywell Inc	7005819-506	2
SGU	Honeywell Inc	7004544-714	2
Navigator Processor Unit	Honeywell Inc	82425-00-0060	1

NOTE: The data shown herein is subject to change without notice. It is Buyer's or Lesser's responsibility to verify the current serial numbers, hours and cycles at time of purchase or lease.

NOTE1: STC 10071157 ADS-B UPGRADE FOR ATR 42/72 embodied.