

**TECHNICAL SPECIFICATION**



<b>Model Designation:</b>	<b>ATR72-500</b>
<b>Serial Number:</b>	<b>XXX</b>
<b>Airframe Status as of:</b>	<b>28 Feb 2025</b>

**AIRCRAFT INFORMATION****MSN: XXX****ATR72-500****GENERAL DESCRIPTION**

<b>Aircraft Type</b>	ATR72-500
<b>Aircraft Registration</b>	TBD
<b>State of Registration</b>	America
<b>Date of Manufacture</b>	2007

**CONFIGURATION**

Category	Feature	Description
Aircraft Configuration	8.33 KHz Channel Spacing compliant	Yes
Aircraft Configuration	ADSB Out installed (Version)	No
Aircraft Configuration	ATC Mode S Capability	ELS/EHS
Aircraft Configuration	CDSS installed	Yes
Aircraft Configuration	Certification Base @ Delivery	TBD
Aircraft Configuration	Current Certification Base	TBD
Aircraft Configuration	CVR Recording Time	120 minutes
Aircraft Configuration	DFDR Recording Time	25 hours
Aircraft Configuration	Fuel Quantity Indicators	Kgs
Aircraft Configuration	GPS installed	Yes
Aircraft Configuration	HF Comm System installed	Yes
Aircraft Configuration	Portable ELT (406 MHz) installed	Yes
Aircraft Configuration	Reinforced Cockpit Door installed	Yes
Aircraft Configuration	TCAS version	TCAS II Version 7.1
Aircraft Configuration	Wheels and Brakes Manufacturer	Safran
Aircraft Configuration	Type Certificate	EASA.A.084
Aircraft Configuration	Noise compliance	Yes
Aircraft Configuration	ETOPS compliance	No
Interior Configuration	Cabin Class Configuration	72Y
Interior Configuration	Cabin Seat Material / Colour	Leather/Blue
Interior Configuration	Cabin Seat Pitch	30"
Interior Configuration	Cabin Seat Type	Acro Superlight F/ Geven MITO
Interior Configuration	Galley Manufacturer	SIMAIR
Interior Configuration	Galley Type	A03/10 D01/10
Interior Configuration	Galleys Location	Rear Cabin
Interior Configuration	In-flight Entertainment System	N/A
Interior Configuration	Lavatories Location	Rear Cabin

**WEIGHTS AND CAPACITY**

Aircraft Weights	Operational	
Description	(Kg)	(lb)
<b>Max Take Off Weight</b>	22,500 Kgs	49,604 Lbs
<b>Max Landing Weight</b>	22,350 Kgs	49,274 Lbs
<b>Max Zero Fuel Weight</b>	20,300 Kgs	44,754 Lbs

<b>Operating Empty Weight</b>	13,000 kgs	28,660 lbs
<b>Fuel Capacity</b>	2,580	5,689
*Note: OEW Subject to change according to final delivery specifications		

## AIRFRAME

<b>Status As of</b>	28 Feb 2025	<b>TSN</b>	29,982
		<b>CSN</b>	32,904

## MAINTENANCE STATUS

Check Name	Interval	Last Done	Last Date	Next Due	Next Date	Remaining
1C Structural Check	8,000 FH	25,034 FH 29,104 FC	19 Jul 2019	33,034 FH	06 Nov 2025	FH: 3,053
2C Structural Check	16,000 FH	25,034 FH 29,104 FC	19 Jul 2019	41,034 FH	21 Jul 2028	FH: 11,053
4C Structural Check	32,000 FH	18,814 FH 18,568 FC	31 Dec 2015	50,814 FH	06 Apr 2034	FH: 20,832
2Y Check	24 Months	28,076 FH 31,371 FC	01 May 2024	N/A	01 May 2026	N/A
4Y Check	48 Months	28,076 FH 31,371 FC	01 May 2024	N/A	01 May 2028	N/A
8Y Check	96 Months	28,076 FH 31,371 FC	01 May 2024	N/A	01 May 2032	N/A
36K Cyclical Structure Inspect	36,000 FC	N/A	N/A	36,000 FC	29 Mar 2026	FC: 3,096

**ENGINE 1**

<b>Status As Of</b>	31 Jan 2025	<b>FH since last OVH</b>	N/A
<b>Engine Manufacturer</b>	Pratt & Whitney Canada	<b>FC since last OVH</b>	N/A
<b>Engine Model</b>	PW127M	<b>FH since last HSI</b>	N/A
<b>Engine Serial Number</b>	TBD	<b>FC since last HSI</b>	N/A
<b>Date of Manufacture</b>	03 Feb 2019	<b>FH since last RGB OVH</b>	N/A
<b>TSN</b>	6,047	<b>FC since last RGB OVH</b>	N/A
<b>CSN</b>	4,781	<b>LLP Limiter</b>	HPT [INTERSTAGE AIR SEAL]
<b>Current Status</b>	Unserviceable due RGB Debris	<b>LLP Limiter Cycles Remaining</b>	7,218

**LLP**

<b>Module</b>	<b>Description</b>	<b>Cycles Used (Unfactored)</b>	<b>Cycles Limit</b>	<b>Cycles Used (Factored)</b>	<b>Residual Cycles Remaining</b>
LPC	LP IMPELLER	4,781	15,000	4,781	10,219
HPC	HP IMPELLER	4,781	15,000	4,781	10,219
HPT	HPT FRONT COVER	4,781	15,000	5,498	9,501
HPT	HPT DISC	4,781	15,000	4,781	10,219
HPT	HPT Blade Set	4,781	15,000	4,781	10,219
HPT	HPT REAR COVER	4,781	15,000	4,781	10,219
HPT	INTERSTAGE AIR SEAL	4,781	15,000	5,976	9,023
LPT	LPT DISC	4,781	15,000	4,781	10,219
PWT	PT STAGE 1 DISC	4,781	30,000	4,781	25,219
PWT	PT STAGE 2 DISC	4,781	30,000	4,781	25,219

Flight Count Factors have been applied

**ENGINE 2**

<b>Status As Of</b>	31 Jan 2025	<b>FH since last OVH</b>	6,167
<b>Engine Manufacturer</b>	Pratt & Whitney Canada	<b>FC since last OVH</b>	5,719
<b>Engine Model</b>	PW127F	<b>FH since last HSI</b>	6,167
<b>Engine Serial Number</b>	TBD	<b>FC since last HSI</b>	5,719
<b>Date of Manufacture</b>	18 Mar 2007	<b>FH since last RGB OVH</b>	6,167
<b>TSN</b>	27,998	<b>FC since last RGB OVH</b>	5,719
<b>CSN</b>	30,335	<b>LLP Limiter</b>	HPT [INTERSTAGE AIR SEAL]
<b>Current Status</b>	Unserviceable due LP Impeller FOD	<b>LLP Limiter Cycles Remaining</b>	6,280

**SHOP VISIT HISTORY**

<b>Date of SV</b>	<b>Reason</b>	<b>TSN at SV</b>	<b>CSN at SV</b>
26 Sep 2018	Scheduled Maintenance	21,831.00	24,616
27 May 2016	Scheduled Maintenance	18,606.50	18,621
09 Apr 2013	Scheduled Maintenance	13,427.00	13,507
29 Jul 2011	Scheduled Maintenance	9,357.00	9,623

**LLP**

<b>Module</b>	<b>Description</b>	<b>Cycles Used (Unfactored)</b>	<b>Cycles Limit</b>	<b>Cycles Used (Factored)</b>	<b>Residual Cycles Remaining</b>
LPC	LP IMPELLER	5,719	5,719	5,719	9,281
HPC	HP IMPELLER	5,719	15,000	5,719	9,281
HPT	HPT FRONT COVER	5,719	15,000	6,577	8,423
HPT	HPT DISC	5,719	15,000	5,719	9,281
HPT	HPT Blade Set	5,719	15,000	5,719	9,281
HPT	HPT REAR COVER	5,719	15,000	5,719	9,281
HPT	INTERSTAGE AIR SEAL	5,719	15,000	7,149	7,851
LPT	LPT DISC	5,719	15,000	5,719	9,281
PWT	PT STAGE 1 DISC	5,719	30,000	5,719	24,281
PWT	PT STAGE 2 DISC	5,719	30,000	5,719	24,281

Flight Count Factors have been applied

### Propeller 1 Assembly

<b>Model</b>	ATR42-500 Prop Assy	<b>Manufacturer</b>	Hamilton Sundstrand	<b>Serial Number</b>	TBD
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#### Propeller 1 Hub

				<b>Status As Of</b>	31 Jan 2025
<b>Serial No</b>	<b>Time Since New</b>	<b>Time Since Overhaul</b>	<b>Installation/Last Overhaul</b>	<b>Time to Overhaul</b>	<b>Next Overhaul Date</b>
XXXXXXXXXX	Due OVH	Due OVH	N/A	0	02 Jan 2024

### Propeller 2 Assembly

<b>Model</b>	ATR42-500 Prop Assy	<b>Manufacturer</b>	Hamilton Sundstrand	<b>Serial Number</b>	TBD
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#### Propeller 2 Hub

				<b>Status As Of</b>	31 Jan 2025
<b>Serial No</b>	<b>Time Since New</b>	<b>Time Since Overhaul</b>	<b>Installation/Last Overhaul</b>	<b>Time to Overhaul</b>	<b>Next Overhaul Date</b>
XXXXXXXXXX	Due OVH	Due OVH	N/A	0	24 Jul 2024

## LANDING GEAR

Status As Of	31 Jan 2025	31 Jan 2025	31 Jan 2025
Position	Nose Gear	LH Wing Gear	RH Wing Gear
Manufacturer	Messier Dowty	Messier Dowty	Messier Dowty
Part Number	D22698172-107	D23189000-23	D23190000-23
Serial Number	TBD	TBD	TBD
TSN	N/A	N/A	N/A
CSN	31,211	30,147	30,147
Date of last OVH	30 Jun 2015	14 Sep 2016	14 Sep 2016
FC at last OVH	18,219	19,350	19,350
OVH Interval	20,000 FC or 108 Months	20,000 FC or 108 Months	20,000 FC or 108 Months
FC Since last OVH	12,992	10,797	10,797
FC remaining to next OVH	7,008	1,218	1,218
MOs remaining to next OVH	-7	8	8
Next OVH Due Date	Jun 2024	Sep 2025	Sep 2025

**AVIONICS EQUIPMENT**

ATA	Description	Qty	Manufacturer	Model/PN
23	COCKPIT VOICE RECORDER	1	L-3 COMMUNICATIONS	2100-1020-02
23	REMOTE CONTROL AUDIO UNIT	1	TEAM	CAU2533AC01
23	VHF/COMM TRANSCEIVER	1	ROCKWELL COLLINS	822-1113-021
25	EMERGENCY LOCATOR TRANSMITTER	1	ELTA	01N65900
25	PORTABLE ELT	1	ELTA	01N65920
31	AIRSPEED INDICATOR	2	HONEYWELL	7002860-909
31	DIGITAL FLIGHT DATA RECORDER	1	L-3 COMMUNICATIONS	2100-4043-00
31	FLIGHT DATA ACQUISITION UNIT	1	SAGEM SA	ED34A350
31	MFC- MULTI FUNCTION COMPUTER	2	AIRBUS SAS	LA4E20608HM0100
31	MPC	2	SAGEM	ED35E109-01-05
34	AIR DATA COMPUTER	2	HONEYWELL	7000700-961
34	AIR DATA COMPUTER	2	HONEYWELL	7000700-961
34	CONTROL UNIT VOR ILS DME	1	ROCKWELL COLLINS	622-6521-011
34	DME INTERROGATOR	2	ROCKWELL COLLINS	622-6263-003
34	GPWS	1	HONEYWELL	965-1206-011
34	RADAR RECEIVER TRANSCEIVER	1	HONEYWELL	7021450-601
34	TCAS COMPUTER	1	ROCKWELL COLLINS	822-1293-033



# LOPA

