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ATR42-320 Technical Specification

AIRCRAFT GENERAL DATA

As Of: 15-Sep-2025

Total Time Since New : 51,324 hours
 Total Cycles Since New : 48,846 cycles
 Date of Manufacture : 04-10-1991

AIRCRAFT MAIN FEATURES

Approach Cat. : II	TCAS Version : 7.1
EGPWS : Yes	Enhanced Mode-S : Yes
8.33 KHz Spacing : Yes	MPC : ED35E109-01-05
Fuel Qty. indication : Kilos	Cockpit video surveillance : Not required
Reinforced cockpit door : Not required	

AIRCRAFT MAIN FEATURES

Passenger Seats: 44 - **Seat Type:** Sigma 74 series - **Pitch:** 20" – **Covers:** Blue Leather
Galley Configuration: One aft galley
Attendant Stations: One (aft)
Lavatory: One (aft)

AIRCRAFT WEIGHTS

Current Aircraft Weights	(In Kilos)	(in Pounds)
Max. Take-Off Weight :	16,700	36,817
Max. Landing Weight :	16,400	36,155
Max. Zero Fuel Weight :	14,800	32,628
Operatint Empty Weight :	11,250	24,802
Date of Last Weighing :	20-Oct-22	

ENGINES

Maintenance Program – On Condition

Engine Manufacturer : Pratt & Whitney Canada

Left Hand Engine

Engine Type : PW121
 Serial Number : 120424
 Total Time Since New : 49,677
 Total Cycles Since New : 48,356
 Time Since Overhaul : 9,686
 Time Since HSI : 4,250
 "On watch" inspections : N/A

Right Hand Engine

Engine Type : PW121
 Serial Number : 120230
 Total Time Since New : 37,503
 Total Cycles Since New : 36,230
 Time Since Overhaul : 5,577
 Time Since HSI : 1,454
 "On watch" inspections : N/A

ENGINE LLP STACKS

Left Hand Engine LCF's	Cycles Since New	Cycles Remaining	Right Hand Engine LCF's	Cycles Since New	Cycles Remaining



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LP Impeller	9,996	20,004	LP Impeller	9,293	20,707
HP Impeller	20,632	4,368	HP Impeller	9,293	15,707
PT Disc 1st Stage	9,996	20,004	PT Disc 1st Stage	1,074	29,026
PT Disc 2nd Stage	9,996	20,004	PT Disc 2nd Stage	21,707	8,293
Air Seal	5,653	9,347	Air Seal	1,074	13,926
LP Disc	9,996	20,004	LP Disc	9,293	20,707
HPT Front Cover	5,663	9,347	HPT Front Cover	1,074	13,926
HPT Rear Cover	5,663	9,347	HPT Rear Cover	1,074	13,926
HP Disc	5,663	9, 47	HP Disc	1,074	13,926
HPT Blades	5,663	9,347	HPT Blades	7,004	7,996

PROPELLERS (as of 01-Apr-25) Maintenance Requirements: Overhaul at 10,500 FH or 7 Years (84 months)

LEFT HAND PROPELLER ASSY.

Manufacturer	Model	Hours Remaining (Hub)	Months Remaining (Hub)
Hamilton Sundstrand	14SF-5	8,359	26
Description	Assy. Part No.	Hours remaining (blades)	Months remaining (blades)
Blade 1	SFA13M1R0A	7,865	9
Blade 2	SFA13M1R0A	9,526	55
Blade 3	SFA13M1R0A	9,887	65
Blade 4	SFA13M1R0A	7,998	17

RIGHT HAND PROPELLER ASSY.

Manufacturer	Model	Hours Remaining (Hub)	Months Remaining (Hub)
Hamilton Standard	14SF-5	8,372	26
Description	Assy. Part No.	Hours remaining (blades)	Months remaining (blades)
Blade 1	SFA13M1R0A	9,833	64
Blade 2	SFA13M1R0A	8,809	41
Blade 3	SFA13M1R0A	9,914	67
Blade 4	SFA13M1R0A	9,887	65

LANDING GEARS

Maintenance Requirements – 20,000CY or 9 Years

Nose Gear

Part Number : D22698100-7
 Serial Number : N188
 Total Cycles : 38,304
 Cycles Since OH : 85
 Next Overhaul due on : 23-Mar-33

LH Main Gear

Part Number : D22685040-16
 Serial Number : MN69
 Total Cycles : 50,548
 Cycles Since OH : 2,793
 Next Overhaul due on : September 2026

RH Main Gear

Part Number : D22686040-16
 Serial Number : MN149
 Total Cycles : 46,938
 Cycles Since OH : 317
 Next Overhaul due on : March 2030



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Pack No.	Description	Last Performed			Interval					
		Date	TSN	CSN	Amount	UOM	Strateg	Remaining	UOM	
6 Mo./1200	6 MO	06-Jun-25	51,229	48,741	1,200	Hs	WOF	1,105	Hs	
A4 Group	A4 interval	01-Aug-24	50,928	48,412	3,000	Hs	WOF	2,601	Hs	
2 Mo./400FH	2 MO - 400FH	12-Sep-25	51,320	48,842	400	Hs	WOF	396.42	Hs	
2.5	2.5 Years	17-Jul-25	51,265	48,781	5,000	Hs	WOF	4,941	Hs	
3 Mo./500F	3 MO - 500FH	24-Jul-25	51,273	48,789	500	Hs	WOF	448.84	Hs	
7 Mo./750F	7MO - 750FH	15-Aug-25	51,291	48,809	750	Hs	WOF	717.17	Hs	
2 Yrs/4000	2 Years	28-Mar-25	51,182	48,669	4,000	Hs	WOF	3,858	Hs	
14 Mo./1500FH	14MO - 1500FH	25-Oct-24	51,032	48,503	1,500	Hs	WOF	1,207	Hs	
500 FH	500 FH	06-Sep-24	50,987	48,456	500	Hs	NON	362	Hs	
1Yr/1500F	1Yr/1,500FH	01-Jul-25	50,925	48,412	1,500	Hs	WOF	1,101	Hs	
3,000 FC	3,000 FC	16-Aug-23	50,545	48,019	3,000	Cyc.	NON	2,414	Cyc.	
6,000 FC	6,000 FC	18-Dec-23	50,658	48,134	6,000	Cyc.	NON	5,529	Cyc.	
12,000 FC	12,000 FC	18-Dec-23	50,658	48,134	12,000	Cyc.	NON	11,529	Cyc.	
7 Days	7 Days	12-Sep-25	51,320	48,842	7	Ds.	NON	4	Days	
6 Mo./1,200 FH	6 Mo. – 1200 FH	06-Jun-25	51,229	48,741	6	Mo.	WOF	2.68	Mo.	
A4 Group	A4 interval	01-Aug-24	50,926	48,412	28	Mo.	WOF	14.52	Mo.	
2 Mo./400 FH	2 Mo. – 400 FH	12-Sep-25	51,320	48,842	2	Mo.	WOF	1.9	Mo.	
3 Mo./500 FH	3 Mo. – 500 FH	24-Jul-25	51,273	48,789	3	Mo.	WOF	1.26	Mo.	
14 Mo/1500FH	14 Mo. – 1500 FH	25-Oct-24	51,032	48,503	14	Mo.	WOF	3.32	Mo.	
2.5	2.5 Years	17-Jul-25	51,265	48,781	2	Yrs	WOF	2.34	Yrs	
8 Yrs-Part 1	8 Years	06-Apr-23	50,364	47,844	8	Yrs	NON	5.55	Yrs	
8 Yrs-Part 2	8 Years	08-Mar-23	50,309	47,799	8	Yrs	NON	5.47	Yrs	
8 Yrs-Part 3	8 Years	16-Mar-23	50,319	47,809	8	Yrs	NON	5.50	Yrs	
8 Yrs-Part 4	8 Years	16-Mar-23	50,319	47,809	8	Yrs	NON	5.50	Yrs	
8 Yrs-Part 5	8 Years	08-Mar-23	50,309	47,799	8	Yrs	NON	5.47	Yrs	
8 Yrs-Part 6	8 Years	09-Mar-23	50,309	47,799	8	Yrs	NON	5.48	Yrs	
8 Yrs-Part 7	8 Years	23-Mar-23	50,328	47,818	8	Yrs	NON	5.52	Yrs	
8 Yrs-Part 8	8 Years	09-Mar-23	50,309	47,799	8	Yrs	NON	5.48	Yrs	
8 Yrs-Part 9	8 Years	09-Mar-23	50,309	47,799	8	Yrs	NON	5.48	Yrs	
8 Yrs	8 Years	09-Mar-23	50,309	47,799	8	Yrs	NON	5.48	Yrs	
8 Yrs	8 Years	06-Apr-23	50,364	47,844	8	Yrs	NON	5.55	Yrs	
8 Yrs	8 Years	08-Mar-23	50,309	47,799	8	Yrs	NON	5.47	Yrs	
2 Yr./4,000 FH	2 Years – 4,000 FH	28-Mar-25	51,182	48,669	2	Yrs	WOF	1.53	Yrs	
1Yr./1,500 FH	1Yr/1,500 FH	01-Jul-25	50,925	48,412	1	Yrs	WOF	0.79	Yrs	
4 Yrs	4 Years	18-Dec-23	50,658	48,134	4	Yrs	NON	2.25	Yrs	
2 Yrs	2 Years	13-Jun-24	50,867	48,351	2	Yrs	NON	0.74	Yrs	

AVIONICS

Designation	Manufacturer	Type	Qty
Weather Radar	Sperry	WR800	1
VHF COM	Honeywell	KTR-908	2



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VOR / ILS	Honeywell	KNR-634	2
DME	Honeywell	KDM-706A	2
ADF	Honeywell	KDF-806	1
FDR	L3 Com / Fairchild	F-1000	1
CVR	L3 Com / Fairchild	A200S	1
EGPWS	Honeywell	MK VIII	1
TCAS	Rockwell / Collins	TTR-920	1
FDAU	SFIM	36045172A01	1
GPS system	King	KLN-90B	1
ATC	Rockwell / Collins	TDR94D	1
RAD ALT	Thales	ERT011	1
AP/FD	Honeywell	FZ-600	1
ELT	SOCATA	ELT96 (AP) (AF)	1
AHRU	Honeywell	AH-600	2
ADC	Honeywell	AZ-810	2
Symbol Generator	Honeywell	SG-811	2
Crew Alert	Aerospatiale	350	1
PSEU	ELDEC	8-425-030A	1
RCAU	TEAM	CAU2503AB03	1
PA Amplifier	TEAM	PA2532	1

Aircraft LOPA

