

Outline specification for

THE 2014 BUILD A321-321



Description Aircraft general data

Description

Aircraft type	A321-231	Manufacture date	30 Sep 2014
Aircraft msn		Current operator	n/a
Engine model	V2533-A5	Operator location	LIU
Registration mark		Line number	n/a
APU model	GTCP131-9A	Production number	n/a

Weights

	Owned	Operated
Max take-off	206,132 lbs / 93,500 kg	206,132 lbs / 93,500 kg
Max taxi	207,015 lbs / 93,900 kg	207,015 lbs / 93,900 kg
Max zero fuel	162,701 lbs / 73,800 kg	162,701 lbs / 73,800 kg
Max landing	171,520 lbs / 77,800 kg	171,520 lbs / 77,800 kg
Operational empty	105,998 lbs / 48,080 kg	111,955 lbs / 50,782 kg
Manufacturer's empty	95,932 lbs / 43,514 kg Delivery	95,932 lbs / 43,514 kg Delivery
Weight variant	WV011 (WV000-006 from manufacture)	WV011, Mod 155726, A320-00-1211, A320-03-1096.

Certification basis

	description	comments
Aircraft type certification number	EASA.A.064	
Engine type certification number	E40NE	
FAA FAR 121 or 129 compliant (129 is for N reg foreign ops compliant)	no	
EASA / CS 25 / EU OPS compliant	Yes	
Noise category	Chapter 4	ICAO annex 16 vol 1 per AFM

Interior configuration

	number	description / comments
Aircraft configuration	Single class	
Total passenger seats	To be modified to 220Y	
Passenger seats first class	0	
Passenger seats business class	0	
Passenger seats prem. economy class	0	
Passenger seats economy class	To be modified to 220Y	Seat Mfr – to be advised
In-flight entertainment system	no	
In Flight Connectivity (WiFi)	no	
In seat power	no	
Cockpit seats	4	Capt. & 1 st officer PN: TAAI3-03XE20-01. 3 rd occupant PN:16800-01-00 4 th occupant PN: 2510154-03-00
Galleys	4	Zodiac G1, G2A, G3 and G5
Galley standard	atlas	
Lavatories	4	1 forward and 3 at rear of cabin.
Crew rest	no	
Cabin signage	Single	English
Cargo compartments	3	Fwd, Aft, Bulk

Regulatory compliance

Compliance	yes / no	description / comments
Fixed auto ELT	yes	PN: S1851501-01
Cockpit voice recorder	yes	PN: 980-6032-023
Predictive windshear	yes	
HIC compliance	yes	TBC on seats installed
Reinforced cockpit door	yes	
Approach category	CAT IIIB	TCDS
Cargo bays category Class C	yes	
Aircraft flight manual	EASA	
Flight data recorder	yes	PN: 980-4750-001
TCAS 7.1	yes	9005000-11203 (T3CAS)
Automated Dependant Surveillance - Broadcast out	yes	A320-34-1630
Enhanced Mode S (ATC Mode S)	yes	PN: 7517800-12402
Cockpit video surveillance system	yes	Mod 32088
Flight management computer	dual	PN: C13208BA00
HF installation	dual	PN: 822-0990-003
ACARS	yes	ATSU PN: LA2TOG20705C070
SATCOM	no	
Digital VHF	yes	X3 PN: 822-1287-121
RNP AR	yes	TBA
HUD (single/dual)	no	
CVR	yes	PN: 980-6032-023
ADS-B out	yes	A320-34-1630
ADS-B in	no	
ADS-C	no	
FANS A (FANS 1)	yes	Mod 34869, 35053, 35227
FANS B (ATN)	yes	To be implemented
FRS (flammability reduction system) / NGS (nitrogen generating system)	Yes	

Operational data

	description	comments
Units of measurement	Kgs Deg C	fuel flow; temperature
ETOPS	no	120 minutes from manufacture
Engine thrust rating (owned)	31,600 lbs	V2533-A5 engines
Engine thrust rating (current)	31,600 lbs	take-off thrust

Registration history

Date of registration	registration	governing country
06 Sep 2021		
16 June 2020		
30 March 2018		
31 March 2014		

Airframe maintenance status

Hours and cycles

Hours	9821 FH
Cycles	6000 FC
Hour / cycle ratio	1.6 / 1
Annual utilisation	

Maintenance status

Check	Interval	Last FH and FC	Last done date	Next FH and FC	Next due date
C Check	24 MO	9821 FH / 6000 FC	1 Nov 2023	n/a	1 Nov 2025
6 Y Check	6 Y	9821 FH / 6000 FC	1 Nov 2023	n/a	1 Nov 2029
12 Y Check	12 Y	n/a	n/a	n/a	29 Sep 2026

Landing gear

Overhaul status (original to airframe)

Gear	Part number	Serial number	Current total hours and cycles	Time / cycles since overhaul
Nose Gear	D23757500-9	14B28805	9,821FH / 6,000FC	0 FH / 0 FC
LH Wing Gear	201585003-070	14MDG8174 (TBC)	9,808FH / 5,993FC	3648FH / 3353FC
RH Wing Gear	201585004-070	14MDG8194 (TBC)	9,821FH / 6,000FC	3648FH / 3353FC

Removal/installation/overhaul history

Gear	Overhaul limit	Last overhaul date and cycles	Next overhaul date and cycles remaining
Nose Gear	120 MO / 20,000FC	1 Oct 2023	1 Oct 2033 / 20,000FC
LH Wing Gear	120 MO / 20,000FC	10 Aug 2018	10 Aug 2028 / 16,647FC
RH Wing Gear	120 MO / 20,000FC	10 Aug 2018	10 Aug 2028 / 16,647FC

Engines and APU

Maintenance status

Engine msn	Total time hours / cycles	Since PR hours / cycles	Limiting LLP	LLP remaining cycles
#1 V17436	9,821FH / 6,000FC	n/a	Various	14,000FC
#2 V17441	9,821FH / 6,000FC	n/a	Various	14,000FC

APU msn	Total hours / cycles	Hours / cycles since restoration	Status as of
P-5990 (131-9A)	7,517H / 11,143C	6,410H / 7,257C	08 Mar 2023

APU LLP status

Module	Part	Part no.	Serial no.	Cycles limit	Cycles used	Cycles rem.
Turbine	1 st Stage Turbine	3840310-4	17-156101-08248	30,000	11,143	18,857
Compressor	Compressor Rotor	3822391-6	17-162053-26439	30,000	11,143	18,857
Turbine	Shaft Turbine	3822504-3	14P68788	30,000	7,257	22,743
Turbine	2 nd Stage Turbine Rotor Assy.	3840165-4	17-156101-09416	30,000	11,143	18,857

Shop visit history

Engine msn V17436

Date of SV	Reason	Provider	TSN at SV	CSN at SV
1 Jun 2023	Repair (HPT 1 & 2 Turbine blade replacement)	IAI (TBC)	9821	6000

Engine msn V17441

Date of SV	Reason	Provider	TSN at SV	CSN at SV
1 Jun 2023	Repair (HPT 2 Turbine blade replacement)	IAI (TBC)	9821	6000

APU

Date of SV	Reason	Provider	TSN at SV	CSN at SV
19 May 2018	Repair	Honeywell Phoenix AZ	4,733.28	3,886

Engine msn V17436 engine LLP status

Module	Part	Part no.	Serial no.	Cycles limit	Cycles used	Cycles rem.
FAN	FAN DISK ASSY	5A1948	RRXP011968	20,000	6,000	14,000
Compressor	HPC REAR ROTATING SEAL	6A5869	RFRQDY4525	20,000	6,000	14,000
Compressor	HPC REAR SHAFT	6B1419	200581CQYX8662	20,000	6,000	14,000
Compressor	HPC ST 3-8 DRUM	6B1404	RRD9557	20,000	6,000	14,000
Compressor	HPC ST 9-12 DRUM	6A7546	RRD8101	20,000	6,000	14,000
Turbine	HPT ST1 HUB	2A5001	PKLBNB1371	20,000	6,000	14,000
Turbine	HPT ST1 INNER AIR SEAL	2A3923	PKLBL9105	20,000	6,000	14,000
Turbine	HPT ST1 OUTER AIR SEAL	2A3423	PKLBNB1465	20,000	6,000	14,000
Turbine	HPT ST2 AIR SEAL	2A4157	PKLBM23614	20,000	6,000	14,000
Turbine	HPT ST2 HUB	2A4802	PKLBM85164	20,000	6,000	14,000
Turbine	HPT ST2 RETAINING PLATE	2A3437	PKLBMM8090	20,000	6,000	14,000
Compressor	LPC DISC ASSY ST 1.5-2.5	5R0159	JKH3086	20,000	6,000	14,000
Compressor	LPC STUB SHAFT	5A0895	JJK109	20,000	6,000	14,000
Turbine	LPT SHAFT	5A1762	JJS441	20,000	6,000	14,000
Turbine	LPT ST3 AIR SEAL	3A0963	MAA84698	20,000	6,000	14,000
Turbine	LPT ST3 DISK	3A2513	JM6546D	20,000	6,000	14,000
Turbine	LPT ST4 AIR SEAL	3A2422	MAA81678	20,000	6,000	14,000
Turbine	LPT ST4 DISK	3A1984	MAL64113	20,000	6,000	14,000
Turbine	LPT ST5 AIR SEAL	3A2423	MAL78008	20,000	6,000	14,000
Turbine	LPT ST5 DISK	3A2430	MAL67287	20,000	6,000	14,000
Turbine	LPT ST6 AIR SEAL	3A1988	MAL56972	20,000	6,000	14,000
Turbine	LPT ST6 DISK	3A2996	MAL60226	20,000	6,000	14,000
Turbine	LPT ST6 INNER AIR SEAL	3A3047	MAA84275	20,000	6,000	14,000
Turbine	LPT ST7 DISK	3A2514	JM6451D	20,000	6,000	14,000
Turbine	LPT STG.7 AIR SEAL	3A2522	MAL61296	20,000	6,000	14,000

Engine msn V17441 engine LLP status

Module	Part	Part no.	Serial no.	Cycles limit	Cycles used	Cycles rem.
FAN	FAN DISK ASSY	5A1948	RRXP011866	20,000	6,000	14,000
Compressor	HPC REAR ROTATING SEAL	6A5869	RFRQDY4711	20,000	6,000	14,000
Compressor	HPC REAR SHAFT	6B1419	200581CQYX7971	20,000	6,000	14,000
Compressor	HPC ST 3-8 DRUM	6B1404	RRD9808	20,000	6,000	14,000
Compressor	HPC ST 9-12 DRUM	6A7546	RRD8141	20,000	6,000	14,000
Turbine	HPT ST1 HUB	2A5001	PKLBM40260	20,000	6,000	14,000
Turbine	HPT ST1 INNER AIR SEAL	2A3923	PKLBMK2511	20,000	6,000	14,000
Turbine	HPT ST1 OUTER AIR SEAL	2A3423	PKLBJC5471	20,000	6,000	14,000
Turbine	HPT ST2 AIR SEAL	2A4157	PKLBNB0527	20,000	6,000	14,000
Turbine	HPT ST2 HUB	2A4802	PKLBM67309	20,000	6,000	14,000
Turbine	HPT ST2 RETAINING PLATE	2A3437	PKLBML9359	20,000	6,000	14,000
Compressor	LPC DISC ASSY ST 1.5-2.5	5R0159	JKH3069	20,000	6,000	14,000
Compressor	LPC STUB SHAFT	5A0895	JJK114	20,000	6,000	14,000
Turbine	LPT SHAFT	5A1762	JJS425	20,000	6,000	14,000
Turbine	LPT ST3 AIR SEAL	3A0963	MAA84688	20,000	6,000	14,000
Turbine	LPT ST3 DISK	3A2513	JM6542D	20,000	6,000	14,000
Turbine	LPT ST4 AIR SEAL	3A2422	MAA81677	20,000	6,000	14,000
Turbine	LPT ST4 DISK	3A1984	MAL65078	20,000	6,000	14,000
Turbine	LPT ST5 AIR SEAL	3A2423	MAA82852	20,000	6,000	14,000
Turbine	LPT ST5 DISK	3A2430	MAL56159	20,000	6,000	14,000
Turbine	LPT ST6 AIR SEAL	3A1988	MAL56975	20,000	6,000	14,000

Turbine	LPT ST6 DISK	3A2996	MAL65250	20,000	6,000	14,000
Turbine	LPT ST6 INNER AIR SEAL	3A3047	MAA84300	20,000	6,000	14,000
Turbine	LPT ST7 DISK	3A2514	JM6523D	20,000	6,000	14,000
Turbine	LPT STG.7 AIR SEAL	3A2522	MAL60614	20,000	6,000	14,000

A320 Avionics / fitted units

Item ATA 22	qty	manufacturer	-	model / part number
Flight control unit	1			C1285AC03
Flight management guidance computer	2	Thales		C13208BA00
MCDU	2			C19266EA01
Flight augmentation computer	2			C13206AA00
Item ATA 23	qty	manufacturer		model / part number
HF transceiver	2	Rockwell Collins		822-0990-003
Radio management panel	3			C12848CB01
VHF transceiver	3	Rockwell Collins		822-1287-121
ATSU	1			LA2T0G20705C070
Selcal decoder	1			BC2065C
Audio management unit	1			AMU4031SB140204
Cockpit voice recorder	1			980-6032-023
Item ATA 31	qty	manufacturer		model / part number
Digital flight data recorder	1			980-4750-001
Flight data Interface unit	1	Teledyne		2234320-01-01
QAR (e-QAR) / optical disc rec.	1			2243800-364
Flight warning computer	2	Thales		350E053021212
System data acquisition concentrator	2			350E5500205
Display management computer	3			1982660116
Display unit	6	Thales		C19755BA01
ECAM control unit	1			35-0L0-1003-06
Item ATA 34	qty	manufacturer		model / part number
Air data inertial reference unit	3	Honeywell		HG2030BE04
Weather radar transceiver	1	Rockwell Collins		822-1710-214
Radio altimeter transceiver	2	Rockwell Collins		822-0334-020
TCAS computer	1	ACSS		9005000-11203
ADF receiver	1	Rockwell Collins		822-0299-020
ATC transponder	1	ACSS		7517800-12402
DME interrogator	1	Rockwell Collins		822-2325-020
Multi-mode receiver	2	Rockwell Collins		822-1821-430
VOR receiver	2	Rockwell Collins		822-0297-020