

Outline specification for

THE 2014 BUILD A321-321



Description Aircraft general data

Description

Aircraft type	A321-231	Manufacture date	31 March 2014
Aircraft msn		Current operator	n/a
Engine model	V2533-A5	Storage 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	207,014 lbs / 93,900 kg	207,014 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	110,302 lbs / 50,032 kg Delivery	110,302 lbs / 50,032 kg Delivery
Manufacturer's empty	95,330 lbs / 43,241 kg Delivery	95,330 lbs / 43,241 kg Delivery
Weight variant	WV 011, (WV000/006 From manufacture)	WV 011 - Mod 28347, 155726, SB 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 Mfgr – to be advised
In-flight entertainment system	no	
In Flight Connectivity (WiFi)	no	
In seat power	no	
Cockpit seats	4	Capt. & 1 st officer Sogerma PN: TAAI3-03XXX-01. 3 rd occupant Zodiac PN: 16800-01-00. 4 th occupant Sogerma PN: 2510154-03-00.
Galleys	4	Driessen – 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	
Cockpit voice recorder	yes	PN: 980-6032-023
Predictive windshear	yes	
HIC compliance	no	
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
EGPWS	yes	
TCAS 7.1	yes	Mod 150842. PN: 9005000-11203 (T3CAS).
Automated Dependant Surveillance - Broadcast out	yes	SB A320-34-1630
Enhanced Mode S (ATC Mode S)	yes	
Cockpit video surveillance system	yes	Mod 36414
Flight management computer	dual	PN: C13208BA00
HF installation	dual	PN: 822-0990-003
ACARS	yes	Mod 25295
SATCOM	no	
Digital VHF	yes	PN: 822-1287-121
RNP AR	yes	TBA
HUD (single/dual)	no	
CVR	yes	PN: 980-6032-023
ADS-B out	yes	SB A320-34-1630
ADS-B in	no	
ADS-C	no	
FANS A (FANS 1)	yes	ATSU PN: LA2TOG20705C070
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 capable at production
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
28 July 2021		
16 June 2020		
30 March 2018		
31 March 2014		

Airframe maintenance status

Hours and cycles

Hours	11,013:36
Cycles	5,905
Hour / cycle ratio	1.9 / 1
Annual utilisation	n/a

Maintenance status

Check	Interval	Last FH and FC	Last done date	Next FH and FC	Next due date
C Check	24 MO	11,013 / 5905	31-Oct-2023	n/a	31-Oct-2025
6 Y Check	6 Y	10,919 / 5,820	7 Mar 2020	n/a	7 Mar 2026
12 Y Check	12 Y	n/a	n/a	n/a	7 Mar 2026

Landing gear

Overhaul status

Gear	Part number	Serial number	Current total hours and cycles	Time / cycles since overhaul
Nose Gear	D23757500-9	14B24449	11,013:36FH / 5,905FC	TSO 0 / CSO 0
LH Wing Gear	201585003-060	14MDG6738	10,319FH / 4,889FC	TSO 2,751 / CSO 3,445
RH Wing Gear	201585004-060	14MDG7340	9,248FH / 11,131FC	TSO 0 / CSO 0

Removal/installation/overhaul history

Gear	Overhaul limit	Last overhaul date and cycles	Next overhaul date and cycles remaining
Nose Gear	120 MO / 20,000FC	30-Oct-2023	30-Oct-2033 / 20,000FC
LH Wing Gear	120 MO / 20,000FC	10/Oct/2018 at CYC 2862	25 Sep 2029 / 16,555FC
RH Wing Gear	120 MO / 20,000FC	30-Oct-2023	30-Oct-2033 / 20,000FC

Engines and APU

Maintenance status

Engine msn	Total time hours / cycles	Since PR hours / cycles	Limiting LLP	LLP remaining cycles
#1 ESN V17136	11,013:36FH / 5,905FC	n/a	Various	14,095FC
#2 ESN V17137	9,273:56FH / 4,888FC	n/a	Various	15,112FC

APU msn	Total hours / cycles	Hours / cycles since restoration	Status as of
P-5767	7,623H / 11072C	2,481H / 6,597C	09 Mar 2023

APU LLP status

Module	Part	Part no.	Serial no.	Cycles limit	Cycles used	Cycles remaining
Turbine	1 st Stage Turbine	3840310-4	17-156101-09945	30,000	6,597	23,403
Compressor	Compressor Rotor	3822391-6	17-162053-27434	30,000	6,597	23,403
Turbine	Shaft Turbine	3822504-3	14P63771	30,000	11,072	18,928
Turbine	2 nd Stage Turbine Rotor Assy.	3840165-4	18-156101-01268	30,000	6,597	23,403

Shop visit history

V17136

Date of SV	Reason	Provider	TSN at SV	CSN at SV
30-Oct-2023	Repair (HPT 2 Blade replacement)	IAI (TBC)	11013	5905

V17137

Date of SV	Reason	Provider	TSN at SV	CSN at SV
16 Oct 2019	Repair	LHT Hamburg	8,595	3,845

APU

Date of SV	Reason	Provider	TSN at SV	CSN at SV
22 May 2018	Repair	Honeywell Phoenix AZ	5,142:27	4,475

Engine msn V17136 engine LLP status

Module	Part	Part no.	Serial no.	Cycles limit	Cycles used	Cycles rem.
FAN	FAN DISK ASSY	5A1948	RRXP011273	20,000	5,905	14,095
Compressor	HPC REAR ROTATING SEAL	6A5869	FRQDY4168	20,000	5,905	14,095
Compressor	HPC REAR SHAFT	6B1419	200581CQYX8030	20,000	5,905	14,095
Compressor	HPC ST 3-8 DRUM	6B1404	RRD8756	20,000	5,905	14,095
Compressor	HPC ST 9-12 DRUM	6A7546	RRD7715	20,000	5,905	14,095
Turbine	HPT ST1 HUB	2A5001	PKLBMN8678	20,000	5,905	14,095
Turbine	HPT ST1 INNER AIR SEAL	2A3923	PKLBML9395	20,000	5,905	14,095
Turbine	HPT ST1 OUTER AIR SEAL	2A3423	PKLBMR7623	20,000	5,905	14,095
Turbine	HPT ST2 AIR SEAL	2A4157	PKLBMS6620	20,000	5,905	14,095
Turbine	HPT ST2 HUB	2A4802	PKLBMG3471	20,000	5,905	14,095
Turbine	HPT ST2 RETAINING PLATE	2A3437	PKLBMC9335	20,000	5,905	14,095
Compressor	LPC DISC ASSY ST 1.5-2.5	5R0159	JKBM2639	20,000	5,905	14,095
Compressor	LPC STUB SHAFT	5A0895	JIJ717	20,000	5,905	14,095
Turbine	LPT SHAFT	5A1762	JJS020	20,000	5,905	14,095
Turbine	LPT ST3 AIR SEAL	3A0963	MAA80204	20,000	5,905	14,095
Turbine	LPT ST3 DISK	3A2513	JM5557D	20,000	5,905	14,095
Turbine	LPT ST4 AIR SEAL	3A2422	MAL22788	20,000	5,905	14,095
Turbine	LPT ST4 DISK	3A1984	MAL26211	20,000	5,905	14,095
Turbine	LPT ST5 AIR SEAL	3A2423	MAA78330	20,000	5,905	14,095
Turbine	LPT ST5 DISK	3A2430	MAL25775	20,000	5,905	14,095
Turbine	LPT ST6 AIR SEAL	3A1988	MAA77388	20,000	5,905	14,095
Turbine	LPT ST6 DISK	3A2996	MAL09684	20,000	5,905	14,095
Turbine	LPT ST6 INNER AIR SEAL	3A3047	MAA79261	20,000	5,905	14,095
Turbine	LPT ST7 DISK	3A2514	JM5679D	20,000	5,905	14,095
Turbine	LPT STG.7 AIR SEAL	3A2522	MAA80639	20,000	5,905	14,095

Engine msn V17137 engine LLP status

Module	Part	Part no.	Serial no.	Cycles limit	Cycles used	Cycles rem.
FAN	FAN DISK ASSY	5A1948	RRXP011375	20,000	4,888	15,112
Compressor	HPC REAR ROTATING SEAL	6A5869	FRQDY4166	20,000	4,888	15,112
Compressor	HPC REAR SHAFT	6B1419	200581CQYX8238	20,000	4,888	15,112
Compressor	HPC ST 3-8 DRUM	6B1404	RRD9186	20,000	4,888	15,112
Compressor	HPC ST 9-12 DRUM	6A7546	RRD7737	20,000	4,888	15,112
Turbine	HPT ST1 HUB	2A5001	PKLBMU8704	20,000	4,888	15,112
Turbine	HPT ST1 INNER AIR SEAL	PKLBL25644	PKLBL25644	20,000	4,888	15,112
Turbine	HPT ST1 OUTER AIR SEAL	2A3423	PKLBMR7620	20,000	4,888	15,112
Turbine	HPT ST2 AIR SEAL	2A4157	PKLBMS6613	20,000	4,888	15,112
Turbine	HPT ST2 HUB	2A4802	PKLBMU9510	20,000	4,888	15,112
Turbine	HPT ST2 RETAINING PLATE	2A3437	PKLBML9142	20,000	4,888	15,112

Compressor	LPC DISC ASSY ST 1.5-2.5	5R0159	JKBM2638	20,000	4,888	15,112
Compressor	LPC STUB SHAFT	5A0895	JJJ718	20,000	4,888	15,112
Turbine	LPT SHAFT	5A1762	JJJS027	20,000	4,888	15,112
Turbine	LPT ST3 AIR SEAL	3A0963	MAA80215	20,000	4,888	15,112
Turbine	LPT ST3 DISK	3A2513	JM6135D	20,000	4,888	15,112
Turbine	LPT ST4 AIR SEAL	3A2422	MAL22790	20,000	4,888	15,112
Turbine	LPT ST4 DISK	3A1984	MAL26213	20,000	4,888	15,112
Turbine	LPT ST5 AIR SEAL	3A2423	MAA78328	20,000	4,888	15,112
Turbine	LPT ST5 DISK	3A2430	MAL25776	20,000	4,888	15,112
Turbine	LPT ST6 AIR SEAL	3A1988	MAA77386	20,000	4,888	15,112
Turbine	LPT ST6 DISK	3A2996	MAL09686	20,000	4,888	15,112
Turbine	LPT ST6 INNER AIR SEAL	3A3047	MAA79083	20,000	4,888	15,112
Turbine	LPT ST7 DISK	3A2514	JM6171D	20,000	4,888	15,112
Turbine	LPT STG.7 AIR SEAL	3A2522	MAE00668	20,000	4,888	15,112

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
Data management unit				
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		HG2030BE03
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