

A321 Specification

Manufacturer: Airbus SAS

Type-Model: A321-271NX

DETAILED SPECIFICATION

Aircraft: A321-271NX

Utilisation Date as of: 17 Jun 2025

1. Overview

Date Of Manufacturing: 19 Dec 2024

Model Designation: A321-271NX

2. Major Components Overview

*TSN/CSN below for all major components are estimates as of 17-Jun-2025 using a third party service. Exact figures are TBC. APU utilisationbelow is confirmed as of 31-Mar-2025.

Asset Category	Part Number	TSN	CSN	Ratio	Status
Airframe Airbus A321-NEO	AIRFRAME A321 NEO	1,457.00	595.00	2.45	On Aircraft
Engine PW_1100G-JM	PW1133GA-JM	1,457.00	595.00	2.45	On Aircraft
Engine PW_1100G-JM	PW1133GA-JM	1,457.00	595.00	2.45	On Aircraft
Nose Landing Gear	NA31001-0009	1,457.00	595.00	2.45	On Aircraft
LH Main Landing Gear	10-454101-001	1,457.00	595.00	2.45	On Aircraft
RH Main Landing Gear	10-454201-001	1,457.00	595.00	2.45	On Aircraft
APU	3800708-1	679.00	947.00	0.00	On Aircraft

3. Registrations

Registration	Registration Date	Deregistration Date	Country	Temporary	Status
	2024		United States of America	No	Current

4. Certified Weights

Weight Type	Purchased	
	(kg)	(lb)
MTOW (Maximum Takeoff Weight)	93,500	206,132
MTW (Maximum Taxi Weight)	93,900	207,014
MZFW (Maximum Zero Fuel Weight)	75,600	166,669
MLW (Maximum Landing Weight)	79,200	174,606

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5. Major Components

Airframe

Manufacturer: Airbus SAS		Family: A321-NEO		Date of Manufacture: 19 Dec 2024				
Shop Visits					Since Last Shop Visit			
Date	Event Type	Performed Work/Reason Shop Visit		TSN	CSN	Days:	Hours:	Cycles:

Engine 1

	Manufacturer:	P&W	Date of Manufacture:		Position:	LH	
	Thrust Rating:	PW1133GA-JM	Current Thrust Rating:	PW1133GA-JM	Family:	PW	
Shop Visits				Since Last Shop Visit			
Date	Event Type	Performed Work/Reason Shop Visit	TSN	CSN	Days:	Hours:	Cycles:

Engine 2

	Manufacturer:	P&W	Date of Manufacture:		Position:	RH	
	Thrust Rating:	PW1133GA-JM	Current Thrust Rating:	PW1133GA-JM	Family:	PW	
Shop Visits				Since Last Shop Visit			
Date	Event Type	Performed Work/Reason Shop Visit	TSN	CSN	Days:	Hours:	Cycles:

Landing Gear - NLD

Manufacturer: Safran Landing Systems		Part Number: NA31001-0009		Date of Manufacture:		Family: A321		
Shop Visits					Since Last Shop Visit			
Date	Event Type	Performed Work/Reason Shop Visit		TSN	CSN	Days:	Hours:	Cycles:

Landing Gear - LH

Manufacturer: Safran Landing Systems		Part Number: 10-454101-001		Date of Manufacture:		Family: A321		
Shop Visits					Since Last Shop Visit			
Date	Event Type	Performed Work/Reason Shop Visit		TSN	CSN	Days:	Hours:	Cycles:

Landing Gear - RH

Manufacturer: Safran Landing Systems		Part Number: 10-454201-001		Date of Manufacture:		Family: A321		
Shop Visits					Since Last Shop Visit			
Date	Event Type	Performed Work/Reason Shop Visit		TSN	CSN	Days:	Hours:	Cycles:

APU

Manufacturer: Honeywell		Family:		Date of Manufacture:			
Shop Visits					Since Last Shop Visit		

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Date	Event Type	Performed Work/Reason Shop Visit	TSN	CSN	Days:	Hours:	Cycles:
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6. Engine LLP Snapshot

Engine 1

Type-Model:	PW1133GA-JM	TSN:	1,457	As of:	17 Jun 2025
		CSN:	595		
Current Thrust Rating:	PW1133GA-JM	Ratio:	2.45		
Thrust Rating:	PW1133GA-JM				

Description	Part Number	FC Used	Life Limit	FC Remaining
FAN ROTOR HUB	5370400-01	595	25,000	24,405
FAN DRIVE GEARBOX SHAFT	5370413-01	595	25,000	24,405
LOWER COMPRESSOR HUB	5373810	595	25,000	24,405
LPC 1ST STAGE (IBR)	5373841	595	25,000	24,405
LPC 2ND STAGE (IBR)	5373812	595	25,000	24,405
LPC 3RD STAGE (IBR)	5373813	595	25,000	24,405
HPC FRONT HUB	30G9801	595	23,400	22,805
HPC 1ST STAGE ROTOR (IBR)	32A4301	595	20,000	19,405
HPC 2ND STAGE ROTOR (IBR)	32A4302	595	12,500	11,905
HPC 3RD STAGE ROTOR (IBR)	32A4313	595	17,000	16,405
HPC 4TH STAGE ROTOR (IBR)	32A4314	595	12,500	11,905
HPC 5TH STAGE ROTOR (IBR)	30G6205	595	18,700	18,105
HPC 6TH STAGE ROTOR (IBR)	30G6206	595	17,000	16,405
HPC 7TH STAGE ROTOR (IBR)	30G4407	595	20,000	19,405
HPC 8TH STAGE ROTOR (IBR)	30G8908	595	16,400	15,805
HPC ROTOR VORTEX TUBE	30G2225	595	15,100	14,505
HPC REAR HUB	30G8208	595	9,000	8,405
HPC ROTOR SHAFT	30G6140	595	20,600	20,005
DIFFUSER OUTER CASE	30G4916-01	595	10,000	9,510
HPT 1ST STAGE FRONT AIR SEAL	30G4617	595	6,590	5,995
HPT 1ST STAGE RETAINING PLATE	31G0018	595	9,730	9,135
HPT 1ST STAGE HUB	30G7301	595	6,500	6,040
HPT 2ND STAGE RETAINING PLATE	30G4606	595	9,400	8,805
HPT 2ND STAGE REAR AIR SEAL	30G4811	595	6,370	5,890
HPT 2ND STAGE HUB	30G6602	595	6,630	6,035
LPT DRIVE SHAFT	5378509	595	25,000	24,405
LPT 1ST STAGE DISK	5387571	595	25,000	24,405
LPT 2ND STAGE DISK	5387962	595	25,000	24,405
LPT 3RD STAGE DISK	5387553	595	25,000	24,405

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Engine 2

Type-Model:	PW1133GA-JM	TSN:	1,457	As of:	17 Jun 2025
		CSN:	595		
Current Thrust Rating:	PW1133GA-JM	Ratio:	2.45		
Purchase Thrust Rating:	PW1133GA-JM				

Description	Part Number	FC Used	Life Limit	FC Remaining
FAN ROTOR HUB	5370400-01	595	25,000	24,405
FAN DRIVE GEARBOX SHAFT	5370413-01	595	25,000	24,405
LOWER COMPRESSOR HUB	5373810	595	25,000	24,405
LPC 1ST STAGE (IBR)	5373841	595	25,000	24,405
LPC 2ND STAGE (IBR)	5373812	595	25,000	24,405
LPC 3RD STAGE (IBR)	5373813	595	25,000	24,405
HPC FRONT HUB	30G9801	595	23,400	22,805
HPC 1ST STAGE ROTOR (IBR)	32A4301	595	20,000	19,405
HPC 2ND STAGE ROTOR (IBR)	32A4302	595	12,500	11,905
HPC 3RD STAGE ROTOR (IBR)	32A4313	595	17,000	16,405
HPC 4TH STAGE ROTOR (IBR)	32A4314	595	12,500	11,905
HPC 5TH STAGE ROTOR (IBR)	30G6205	595	18,700	18,105
HPC 6TH STAGE ROTOR (IBR)	30G6206	595	17,000	16,405
HPC 7TH STAGE ROTOR (IBR)	30G4407	595	20,000	19,405
HPC 8TH STAGE ROTOR (IBR)	30G8908	595	16,400	15,805
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7. Operational Data

Type	Name	Value	Manufacturer	Comment
CONFIGURATION	5G Resilient Radio Altimeters	Installed		
CONFIGURATION	8.8 kHz Low Frequency ULB	Installed		
CONFIGURATION	ADF Configuration	Single		Provisions for Dual
CONFIGURATION	ADS-B Out	Installed		DO-260B
CONFIGURATION	Aircraft Flight Manual Approval	FAA		
CONFIGURATION	Auxiliary Tanks	Not Installed		
CONFIGURATION	Brake Fans	Not Installed		
CONFIGURATION	Brake Type	Carbon Brakes		SAFRAN
CONFIGURATION	Cockpit Door Surveillance System	Not Installed		
CONFIGURATION	Cockpit Voice Recorder Recording Duration	25 Hour		
CONFIGURATION	Connectivity	Not Installed		
CONFIGURATION	CVR / DFDR 90 Day ULB	Installed		
CONFIGURATION	Datalink Recording	Active		
CONFIGURATION	Dual Weather Radar	Single		Provisions for Dual
CONFIGURATION	Engine Thrust Rating - Current	PW1133GA-JM		
CONFIGURATION	Engine Thrust Rating - Redelivery	PW1133GA-JM		
CONFIGURATION	ETOPS Capability	60 mins		
CONFIGURATION	FANS/CPDLC (Datalink)	Not Installed		
CONFIGURATION	Fuel Tank Inerting System	Installed		
CONFIGURATION	GPS Accuracy	SA-Aware		
CONFIGURATION	HF Configuration	Single		
CONFIGURATION	In Flight Entertainment	Not Installed		
CONFIGURATION	Instrument Landing Capability	CAT IIIB		
CONFIGURATION	Lavatory Oxygen System	Gaseous		
CONFIGURATION	Mechanised Cargo Loading System	Not Installed		
CONFIGURATION	Passenger Air System - Ozone Converters	Installed		
CONFIGURATION	SATCOM	Installed		LCS
CONFIGURATION	SHARP	Not Installed		
CONFIGURATION	Space Flex	V2		
CONFIGURATION	TCAS 7.1	Installed		
CONFIGURATION	Units of Measure	US/Imperial		
CONFIGURATION	VHF Comm 8.33 KHz Channel Spacing	Installed		
CONFIGURATION	Wingtip Type	Sharklets		
CONFIGURATION	Wireless QAR	Installed		
INTERIORS	16G HIC Compliant LOPA	Yes		
INTERIORS	Aircraft Configuration	Passenger		
INTERIORS	Attendant Seats	6		

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INTERIORS	Cockpit Seats	3		
INTERIORS	Galleys	2	SAFRAN CABIN	G1, G4B
INTERIORS	Interior Seating Configuration - Current	8J, 227Y		
INTERIORS	Interior Seating Configuration - Redelivery	8J, 227Y		
INTERIORS	Lavatories	3		A, Fs, Gs
INTERIORS	Passenger Seats Business	8	HAECO	Vector Premium Series
INTERIORS	Passenger Seats Economy	227	HAECO	Vector Light Series

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8. Configuration Components

Type	ATA	Part Number	Name	Manufacturer	Qty
Avionic	22	C13206AA00	Flight Augmentation Computer	THALES AVIONICS	2
Avionic	22	C12850AC03	Flight Control Unit	THALES AVIONICS	1
Avionic	22	C13207DA00	Flight Management Guidance Computer	THALES AVIONICS	2
Avionic	23	965-1696-051	VHF Transceiver	HONEYWELL	3
Avionic	23	RMP4381AA110101	Radio Management Panel (RMP)	TEAM	2
Avionic	31	ANI8055515-4501	Multi Use Printer	ASTRONOVA	1
Avionic	25	S1820514-15	ELT - Fixed	SAFRAN ELECTRONICS	1
Avionic	25	51090368-1	ELT - Portable	HONEYWELL	1
Avionic	34	HG2030BE04	Air Data Inertial Reference Unit (ADIRU)	HONEYWELL	3
Avionic	34	066-01212-0102	ATC Transponder	HONEYWELL	2
Avionic	34	066-50013-1222	DME Interrogator	HONEYWELL	2
Avionic	34	C18456AAA01	ISIS	THALES AVIONICS	1
Avionic	34	930-6201-002	Weather Radar Control Panel	HONEYWELL	1
Avionic	34	930-1005-003	Weather Radar Transceiver	HONEYWELL	1
Avionic	22	D50A000-100	MCDU	HONEYWELL	2
Avionic	34	69002602-0201	MMR Receiver	HONEYWELL	2
Avionic	23	964-0453-001	HF Coupler	HONEYWELL	1
Avionic	23	964-0452-052	HF Transceiver [SN:XK516D1-01414]	HONEYWELL	1
Avionic	23	7100-0200-00	Combined Voice Data Recorder (CVDR)	L3-COMMUNICATIONS	2
Avionic	31	2234320-02-02	Flight Data Interface Management Unit	TELEDYNE	1
Avionic	34	066-50014-1202	ADF Transceiver	HONEYWELL	1
Avionic	34	822-0297-020	VOR Receiver (incl. FM immunity)	ROCKWELL COLLINS	2
Avionic	34	066-50007-0432	Radio Altimeter Transceiver	HONEYWELL	2
Avionic	34	940-0351-006	TCAS 7.1 Computer	HONEYWELL	1
Avionic	34	C12404AB02	ATC/TCAS Control Unit	THALES AVIONICS	1
Avionic	46	LA2T0G21006CA10	Air Traffic Services Unit (ATSU)	AIRBUS SAS	1

