

## A319 / 320 / 321 AOM

### FUEL

Surge tank	Outer wing tank 1560 lbs. (N/A 321)	Inner wing tank 12,190 lbs.	Center tank 14,500 lbs.	Inner wing tank 12,190 lbs.	Outer wing tank 1560 lbs. (N/A 321)	Surge tank
				A321 only: 2 Additional Center Tanks 10,500 lbs		

#### A319/320:

Total Left Wing Fuel 13,750	Total Center Fuel 14,500 lbs.	Total Right Wing Fuel 13,750
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#### A321:

Total Left Wing Fuel 13,750	Total Center Fuel 25,000 lbs.	Total Right Wing Fuel 13,750
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**Total Fuel – A319/320: 42,000 lbs., A321: 52,500 (memory limitation)**

Fuel Philosophy: Fuel in center last, fuel in center burned first (PH 9.1.1).

Takeoff on center tank prohibited (PH 2.8.3)

The center tank pumps run at a higher override pressure so the center tank fuel will be burned before the wing tank fuel will be even though center and wing pumps are both providing fuel pressure to the manifold at the same time.

Fuel is kept in outer wing tanks as long as possible to reduce wing bending moment.

If both pumps in same tank fail, only the inner wing tanks can suction feed. Center tank fuel would be unusable.

APU fuel is drawn from the left fuel manifold. The APU normally uses the tank pump pressure but has its own fuel pump that it will use if no other fuel pump pressure is available.

Losing one center pump requires opening crossfeed valve (one ECAM chime)

Losing one inner tank pump just requires turning off the pump switch (no chime)

Losing two center tank pumps will make any remaining center fuel unusable.

# Airbus A320 Maintenance Quick Reference Guide

**Mark T. Maybury**



## **Airbus A320 Maintenance Quick Reference Guide:**

Air Pictorial ,1992-07      *Performance of the Jet Transport Airplane* Trevor M. Young,2019-10-24 *Performance of the Jet Transport Airplane Analysis Methods Flight Operations and Regulations* presents a detailed and comprehensive treatment of performance analysis techniques for jet transport airplanes Uniquely the book describes key operational and regulatory procedures and constraints that directly impact the performance of commercial airliners Topics include rigid body dynamics aerodynamic fundamentals atmospheric models including standard and non standard atmospheres height scales and altimetry distance and speed measurement lift and drag and associated mathematical models jet engine performance including thrust and specific fuel consumption models takeoff and landing performance with airfield and operational constraints takeoff climb and obstacle clearance level climbing and descending flight including accelerated climb descent cruise and range including solutions by numerical integration payload range endurance and holding maneuvering flight including turning and pitching maneuvers total energy concepts trip fuel planning and estimation including regulatory fuel reserves en route operations and limitations e g climb speed schedules cruise ceiling ETOPS cost considerations e g cost index energy cost fuel tankering weight balance and trim flight envelopes and limitations including stall and buffet onset speeds  $V_n$  diagrams environmental considerations viz noise and emissions aircraft systems and airplane performance e g cabin pressurization de anti icing and fuel and performance related regulatory requirements of the FAA Federal Aviation Administration and EASA European Aviation Safety Agency Key features Describes methods for the analysis of the performance of jet transport airplanes during all phases of flight Presents both analytical closed form methods and numerical approaches Describes key FAA and EASA regulations that impact airplane performance Presents equations and examples in both SI Syst me International and USC United States Customary units Considers the influence of operational procedures and their impact on airplane performance *Performance of the Jet Transport Airplane Analysis Methods Flight Operations and Regulations* provides a comprehensive treatment of the performance of modern jet transport airplanes in an operational context It is a must have reference for aerospace engineering students applied researchers conducting performance related studies and flight operations engineers      *Advanced Avionics on the Airbus A330/A340 and the Boeing 777 Aircraft* ,1993

Aircraft Engineering and Aerospace Technology ,1990

**Scientific and Technical Aerospace Reports** ,1992

**Ontologies for Agents: Theory and Experiences** Valentina Tamma,2005-05-19 The volume aims at providing a comprehensive review of the diverse efforts covering the gap existing between the two main perspectives on the topic of ontologies for multi agent systems namely How ontologies should be modelled and represented in order to be effectively used in agent systems and on the other hand what kind of capabilities should be exhibited by an agent in order to make use of ontological knowledge and to perform efficient reasoning with it The volume collects the most significant papers of the AAMAS 2002 and AAMAS 2003 workshop on ontologies for agent systems and the EKAW 2002 workshop on ontologies for

multi agent systems **Aerospace** ,1995 Federal Register ,2013-09 **The Financial Post Survey of Industrials** ,1989 **New Directions in Question Answering** Mark T. Maybury,2004 Major trends in the development of an important new method of information access that combines elements of natural language processing information retrieval and human computer interaction Question answering systems which provide natural language responses to natural language queries are the subject of rapidly advancing research encompassing both academic study and commercial applications the most well known of which is the search engine Ask Jeeves Question answering draws on different fields and technologies including natural language processing information retrieval explanation generation and human computer interaction Question answering creates an important new method of information access and can be seen as the natural step beyond such standard Web search methods as keyword query and document retrieval This collection charts significant new directions in the field including temporal spatial definitional biographical multimedia and multilingual question answering After an introduction that defines essential terminology and provides a roadmap to future trends the book covers key areas of research and development These include current methods architecture requirements and the history of question answering on the Web the development of systems to address new types of questions interactivity which is often required for clarification of questions or answers reuse of answers advanced methods and knowledge representation and reasoning used to support question answering Each section contains an introduction that summarizes the chapters included and places them in context relating them to the other chapters in the book as well as to the existing literature in the field and assessing the problems and challenges that remain **Aeronautical Engineering** ,1993 A selection of annotated references to unclassified reports and journal articles that were introduced into the NASA scientific and technical information system and announced in Scientific and technical aerospace reports STAR and International aerospace abstracts IAA Safety, Reliability, and Applications of Emerging Intelligent Control Technologies Tung-Sang Ng, Yeung Sam Hung, 1995 Paperback Increasingly over the last few years intelligent controllers have been incorporated into control systems Presently the numbers and types of intelligent controllers that contain variations of fuzzy logic neural network genetic algorithms or some other forms of knowledge based reasoning technology are dramatically rising However considering the stability of the system when such controllers are included it is difficult to analyse and predict system behaviour under unexpected conditions Leading researchers and industrial practitioners were able to discuss and evaluate current development and future research directions at the first IFAC International Workshop on safety reliability and applications on emerging intelligent control technology This publication contains the papers covering a wide range of topics presented at the workshop **Engineered Materials Abstracts** ,1989-09 **Aeronautical Engineering: A Cumulative Index to a Continuing Bibliography (supplement 287)** ,1993 **International Aerospace Abstracts** ,1999 **Belgium, Economic and Commercial Information** ,2000 No 67 1982 1 include material on Luxemburg Metals Abstracts ,1992 Flight International ,2013 New Scientist

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