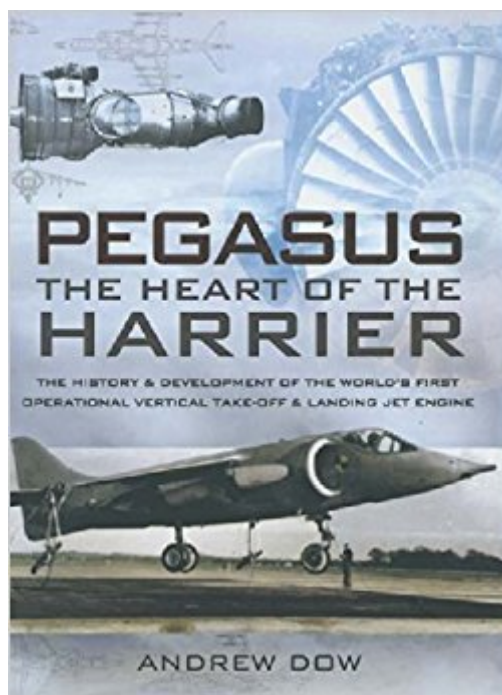




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Pegasus, The Heart Of The Harrier: The History And Development Of The World's First Operational Vertical Take-off And Landing Jet Engine



Synopsis

The conception of the Pegasus engine in 1957 upset all the conventions of aircraft design. It was previously usual for aircraft designers to seek a suitable engine, but this was an engine that sought an aircraft. The aircraft that resulted was the famous Harrier that is still in front-line service with air forces around the world including the RAF and US Marine Corps. This book takes an in-depth look at the engine's original design concept, initial production and flight testing. It then goes on to explain how the developments and improvements have been made over the ensuing years and includes experiences of operational combat flying, both from land and sea. The book is written in a non technical style that makes comfortable reading for all enthusiasts and historians and is copiously illustrated with many previously unseen photographs and diagrams.

Book Information

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Customer Reviews

There were lots of interesting technical bits (which as an aerospace engineer I appreciate) as well as historical notes. Some of the political/financial information was sleep-inducing, but that's part of making a complete history. The author's feelings towards VTOL/STOVL aircraft are very forthright

getting to preachy, and I'd like to see an independent corroboration of some of the claims (air-to-air performance vs. other aircraft) but overall a good book.

The author has provided the aeronautical community a real service with his thorough account of the engine's conception, development, and integration with its airframe(s). I was impressed not only with the author's mastery of the material, but also the scope of his account - engineering, commercial, key personnel. An excellent read and fully worthy of an excellent engine and its gifted designers and operators. GDR.

This is an outstanding effort written about, in my opinion, what is clearly the most unique turbine engine ever developed for an aircraft. John Farley is absolutely correct: The "heart" of any aircraft lies in its engine; the Pegasus is the absolute "King" of this concept! Without it, the Harrier, with its unique performance parameters and abilities (such as "viffing" as an aerial maneuver), would not have existed. Without the brain-storming efforts of such visionaries as Fozard and Hooker, et al', this magnificent engine/airframe combination would never have come into existence - especially when it did! Imagine the outcome of the Falkland Islands War without the Sea Harrier?! An excellent book - bar none!! Simply magnificent...!!

Excellent book with plenty of detail but still an easy read. Fascinating to see how the idea for an engine to utilise thrust from the first effective bypass fan and from the turbine via adjustable nozzles was developed to a mature unique powerful and reliable engine.

Very thorough telling of a great aviation story. The engine is at the heart of the Harrier 'system' and this book is a very comprehensive look at the development of an aviation milestone.

If you are interested in the Harrier, this is a great book that deals with its engine. Nice background and story on its development. I wish I had bought the paper copy however. I am not a fan of Kindle in PC. It has many shortcomings.

Not as interesting as I expected.

Most books with titles like this will put ordinary readers to sleep. This one is different. It contains all of the relevant details of the technical history but it also includes the history of the rationale for a

concept and many anecdotal stories about the business and personal relationships in this international program.

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