

# THE DORNIER 328 FLIGHT TEST PROGRAM AND PRIMARY RESULTS

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## 1. Introduction

The Dornier 328 Regional Airliner (Fig. 1.1. - 1.3) has been designed under the market driven requirements for superior passenger comfort in seat layout for up to 33 passengers and interior noise level requirements equivalent to jets, with outstanding economics from low fuel consumption and from high cruise speeds. The glass cockpit with the very last generation of integrated avionics (Honeywell Primus 2000) together with the combination of high and low speed capability assures and increases flexibility in ATC operation (Fig. 1.4).

Leading particulars (ref. 1) are:

(Fig. 1.5)

Engines PW 119A:	Take off rating	1850 SHP	1300 RPM
	Short field TO	2180 SHP	1300 RPM
	Maximum cruise with		1050 RPM

Hartzell 6-blade propellers with 3.5 m (11.5 ft) diameter

Design weights:	MTOW	13.400 kg
	Useable fuel	3.410 kg

Operating envelope:	$V_{MO} = 270$ KCAS
	$V_{MO} = 0.59$

(Fig. 1.6)