

PRELIMINARY INFORMATION

1.0 SCOPE AND INTRODUCTION

1.1 Scope

1.2 Introduction

1.3 A Brief Description of the 787 Family of Airplanes

PRELIMINARY INFORMATION

1.0 SCOPE AND INTRODUCTION

1.1 Scope

This document provides, in a standardized format, airplane characteristics data for general airport planning. Since operational practices vary among airlines, specific data should be coordinated with the using airlines prior to facility design. Boeing Commercial Airplanes should be contacted for any additional information required.

Content of the document reflects the results of a coordinated effort by representatives from the following organizations:

- Aerospace Industries Association
- Airports Council International - North America
- Air Transport Association of America
- International Air Transport Association

The airport planner may also want to consider the information presented in the "Commercial Aircraft Design Characteristics – Trends and Growth Projections," available from the US AIA, 1250 Eye St., Washington DC 20005, for long-range planning needs. This document is updated periodically and represents the coordinated efforts of the following organizations regarding future aircraft growth trends:

- International Coordinating Council of Aerospace Industries Associations
- Airports Council International - North American and World Organizations
- Air Transport Association of America
- International Air Transport Association

PRELIMINARY INFORMATION

1.2 Introduction

This document conforms to NAS 3601. It provides characteristics of the Boeing Model 787 airplane for airport planners and operators, airlines, architectural and engineering consultant organizations, and other interested industry agencies. Airplane changes and available options may alter model characteristics; the data presented herein reflect typical airplanes in each model category.

For additional information contact:

Boeing Commercial Airplanes
P.O. Box 3707
Seattle, Washington 98124-2207
U.S.A.

Attention: Manager, Airport Technology
Mail Code 67-KR
Email: AirportTechnology@boeing.com
Website: www.boeing.com/airports

PRELIMINARY INFORMATION

1.3 A Brief Description of the 787 Family of Airplanes

The 787 is a family of twin-engine airplanes, very fuel efficient and with exceptional environmental performance. The 787 airplanes are being developed by an International team of aerospace companies, led by Boeing at its Everett Facility near Seattle, Washington. Using a suite of new technologies, as much as 50 percent of the primary structure will be composite materials.

787-8

The 787-8 is the first airplane in the 787 family of twin-engine airplanes and is designed for medium to long range flights. The 787-8 can carry 210 to 250 passengers in a three-class configuration and up to 375 passengers in a single-class configuration.

787 Engines

General Electric and Rolls-Royce have been selected to develop engines using advanced engine technology for increased efficiency of the 787 airplane.

Cargo Handling

The lower lobe cargo compartments can accommodate a variety of containers and pallets now used in narrow-body and wide-body airplanes.

Ground Servicing

The 787 airplane is an all-electric airplane and as such will not have a pneumatic system onboard. The airplane has ground service connections compatible with existing ground service equipment, and no special equipment is necessary. In case of an inoperable APU, engine starts may be accomplished via the airplane body electrical connections.