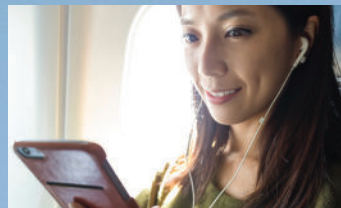


Dash 8-400

# Cabin Enhancements



DE HAVILLAND AIRCRAFT  
OF CANADA LIMITED

# New and Improved



**THE DASH 8-400** entered service with an advanced design that provided more payload, more passengers, and more range than competing turboprops. The aircraft incorporated several unique, market-leading features, such as the Active Noise and Vibration Suppression (ANVS) system to ensure passengers can enjoy a quieter cabin. Additionally, with the HEPA (High Efficiency Particulate Air) filter that comes standard on all Dash 8-400 aircraft, cabin air is refreshed 100% every 3 to 4 minutes.

Since its entry-into-service, updates have been made to the cabin, including LED lighting, new window design, enlarged overhead bins, and more.

De Havilland Canada is pleased to offer a series of new features to further enhance passenger appeal with more functionality and flexibility.

## Connectivity and Entertainment | 3



Wireless In-Flight  
Entertainment System



Satellite-Based Internet  
Connectivity



USB In-Seat  
Power

## Passenger Comfort | 5



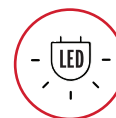
Extended Overhead  
Bins



Pictorial Illuminated  
Signage

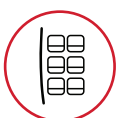


Interior Decor  
Upgrade



Interior LED  
Lighting

## Operational Enhancements | 7



Cabin Seat Layout  
Reconfiguration



Design Weight  
Increase

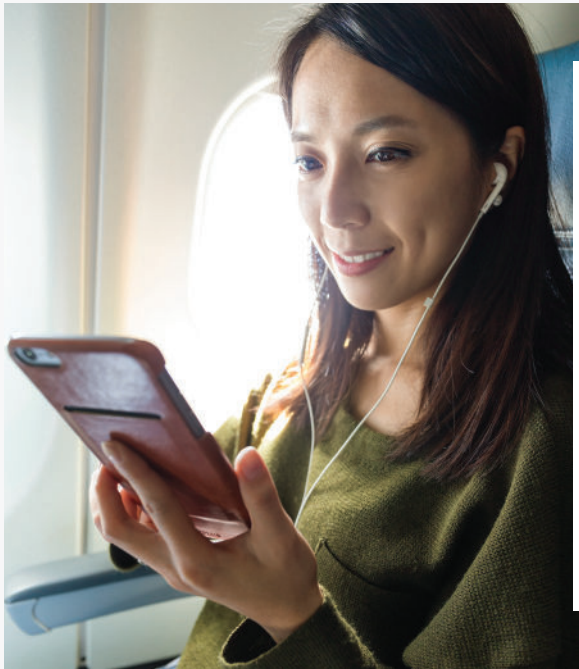


Extra Capacity



Drop Down Oxygen

# Connectivity and Entertainment



## Wireless In-Flight Entertainment (IFE) System

### Key Benefits & Features

- Passengers gain wireless access to a wide variety of content on their personal electronic devices
- Single Line Replaceable Unit solution for reduced weight and maintenance compared to a seat-back IFE solution
- Cost-effective with easy implementation



## Satellite-Based Internet Connectivity

### Key Benefits & Features

- Passengers have access to in-flight Wi-Fi connectivity that is equivalent to at-home internet (faster than air-to-ground systems)
- System is connected to a satellite constellation
- Kit includes antenna, power supply unit, Wi-Fi wireless access point, and applicable wiring

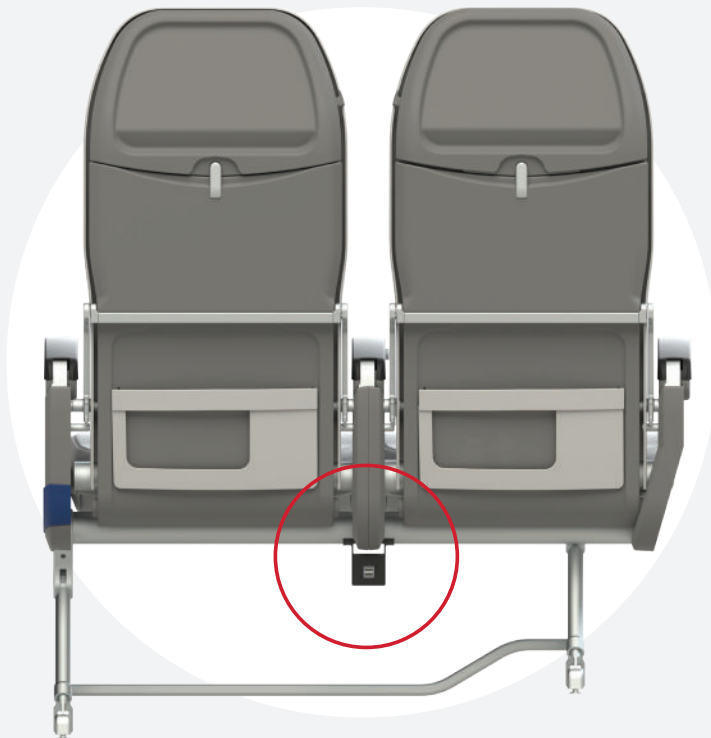




## USB In-Seat Power

### Key Benefits & Features

- A dual USB power charging port will be located on the aft side of the seat bench below the centre arm rest and attached to the aft tube cross member. Front row seats will have it attached to the forward cross bar below centre arm rest.
- No impact to passenger leg room
- Charging ports can be easily installed and removed for maintenance or replacement
- Add-on to seats, without affecting existing seat certification





# Passenger Comfort



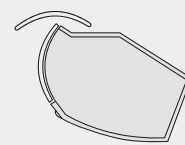
## Extended Overhead Bins

### Key Benefits & Features

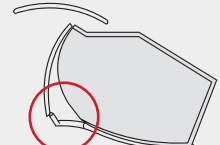
- Modification of the overhead bin to increase bin volume by extending the lower lip and replacing bin doors, latches, and actuators.
- Available to earlier models of Dash 8-400
- Extended bins are capable of accommodating 22" roller bags, ensuring the cabin can fit more carry-on bags, freeing up space in the cargo compartment
- Elimination of "ramp check" to reduce ground handling cost



Pre Extension



Post Extension



## Pictorial Illuminated Signage

### Key Benefits & Features

- Animated representation of emergency exit and lavatory signs align with signage found in airport facilities
- Ease of remarketing and selling aircraft by eliminating signage translations





## Interior Decor Upgrade

- Upgrade to soft materials in the cabin (carpets, dado panels, bulkheads, seat dress covers, etc.)



## Interior LED Lighting

### Key Benefits & Features

- A retrofit solution for earlier models of the Dash 8-400, this feature offers LED lighting replacement of fluorescent tubes and halogen bulbs in passenger service units (PSU)
- LED lighting washes along ceiling panel, under bin door, and illuminates the bin interior when bin doors are open
- Lower maintenance costs as compared to fluorescent lighting



Before



After

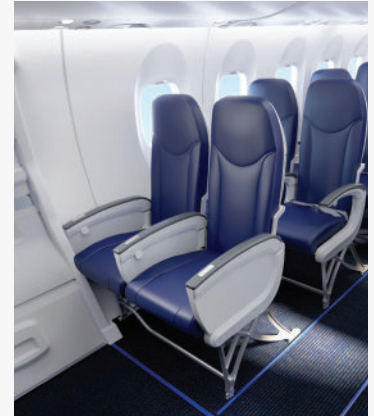
# Operational Enhancements



## Cabin Seat Layout Reconfiguration

### Key Benefits & Features

- Existing passenger seats can be re-pitched without changes to existing monuments
- PSU panels and seat designator labels are realigned to new seat locations
- Offers operators improved revenue potential by increasing seat capacity, resulting in lower unit costs and break-even load factors

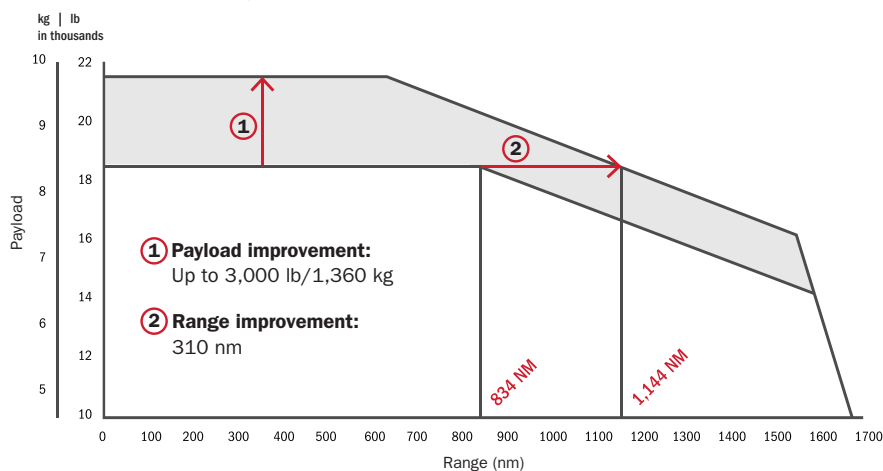


## Design Weight Increase (DWI)

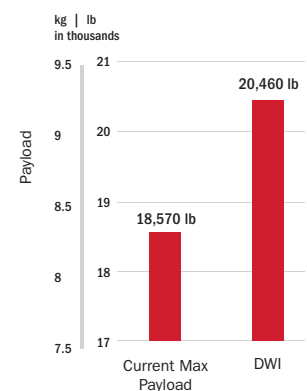
### Key Benefits & Features

- New weight categories are being developed, which will allow for more seats per aircraft, more weight capacity for checked baggage, more operating range, and an overall improved passenger experience
- DWI offers a payload increase of 1,360 kg / 3,000 lb and an aft baggage compartment increase of 295 kg / 650 lb
- The increased weight carrying capability allows for improved fuel tankering, allowing operators to lower their fuel costs when operating to locations where refueling may be prohibitive
- DWI enables operators to address regulatory requirements to increase average passenger & baggage weights, and mitigates operators dropping passengers or bags from flights
- Incorporated with these weight increases are improved Weight, Altitude, Temperature (WAT), and Maximum Brake Energy limits
- Provides extended range capability to reach new markets
- Facilitates retrofits of increased passenger capacity or cargo configurations
- Enhances residual value of the aircraft

### Flexible Payload & Range Improvements



### 10% Payload Improvement on a 260 nm Return Mission When Tankering Fuel

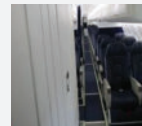
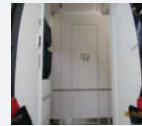
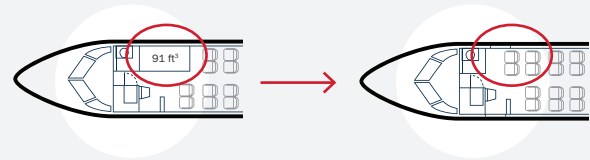




## Extra Capacity

### Key Benefits & Features

- This feature replaces the forward baggage compartment and associated systems with extra space for additional passenger seating and overhead bins
- Removal of the forward baggage compartment results in a brighter, more spacious cabin with extra leg room for the first seat pairs on the right-hand side
- Conversion of baggage door to Type I emergency exit door, and disabling of Type II/III emergency exit door
- Enhanced revenue with higher passenger carrying capacity



## Drop Down Oxygen

### Key Benefits & Features

- This feature provides an Automatic Presentation Passenger Oxygen System (APPOS), i.e., “drop down” oxygen system with chemical oxygen generators
- Each oxygen mask is capable of supplying oxygen for 22 minutes for various cabin configurations including two flight attendants, two lavatory occupants, and at least four children-in-arms
- Opens access to additional flights routes, and provides additional revenue opportunities for new routes that otherwise would not be possible
- Reduces operational cost by flying shortest routes
- Complies to regulatory requirements



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**DE HAVILLAND AIRCRAFT  
OF CANADA LIMITED**

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