

# THE SOLUTION THAT HELPS MAKE REMOTE DELIVERIES POSSIBLE

The next generation for cargo  
hauling with a turboprop aircraft





# OPEN POSSIBILITIES FOR YOUR AIRCRAFT

Cargo shipments account for a significant portion of Air Inuit's business. Delivering large, heavy cargo shipments of food, supplies and equipment to remote northern Canadian communities posed some unique challenges. We partnered with Air Inuit to address those challenges. Serving communities like Puvirnitug, Air Inuit has logged over 500 operational hours with the Q300 freighter.

## Welcome to Puvirnitug

Puvirnitug is an Inuit community in the Nunavik region of northern Quebec. It has a population of 1,692 and can only be reached by air during the frigid winter months. In towns like Puvirnitug, getting supplies and goods is no simple matter. One of the hardest things to get is fresh food.

Because of the challenges of time, cost to ship and handling, items like fresh fruit and vegetables may cost triple or quadruple what they cost in more urban areas. Larger industrial items such as ATVs or generators only fit on aircraft that aren't suited for smaller remote airstrips. In short, getting the things they need isn't easy. Meeting these needs is at the heart of Air Inuit's cargo strategy.

## THE PERFECT FIT

Because the Q300 freighter is very well suited for remote routes, shorter runways and the harsh weather conditions of northern Quebec, the cargo modification kit was the perfect solution for Air Inuit. With the freighter, the airline can ship goods faster, cheaper, more reliably and more often. And, when it comes to delivering heavy, palletized shipments to rugged areas with a turboprop aircraft, Air Inuit's proven success opens new doors for other regional airlines to serve their own remote communities.

## Ready to convert? We can help.

The Q300 freighter conversion opens new doors and brings new capability to the Q300 aircraft. Contact Collins Aerospace to learn more about how our conversion kit can benefit your operation.

“We strongly believe the Dash 8 is the aircraft to do what we need it to do. When you consider the risk, it is a bold move for a company like ours, but we've proven that bold moves have paid off in the past.”

– CHRISTIAN BUSCH  
PRESIDENT & CEO,  
AIR INUIT



# WORLD'S FIRST Q300 CARGO FREIGHT CONVERSION

Converting a passenger aircraft into a freighter calls for expertise, experience and trust. As one of Canada's largest and most capable Design Approval Organizations, Collins Aerospace Canada is proud to partner with Bombardier and Air Inuit to offer the first large cargo door freighter conversion kit for the Q300.

In rugged and remote environments, the Q300 freighter is the next generation for cargo hauling with a turboprop aircraft. Fully operational and field-proven with Air Inuit, our Class E interior conversion kit is ready to install. And, the ability to transport large, heavy shipments via regional turboprop aircraft opens up new opportunities for similar-sized airlines to reach remote communities around the globe.

## KEY FEATURES AND BENEFITS

- World's largest regional turboprop aircraft capable of maximum payload landings into short, 3,000-foot gravel runways
- Worldwide presence and strong support network backed by a stable OEM
- Optimized for operations into remote airstrips not offering power on the ground
- Aircraft is type certified by the TCCA, FAA, EASA, as well as countries around the world, eliminating regulatory barriers to entry
- Over 250 Q300 aircraft in service ensures the aircraft will be supported long after other turboprop freighter models are obsolete

## Class E freighter

Our Class E freighter interior conversion is available today as a ready-to-install kit. You can get the Class E conversion in palletized or bulk-load configurations. Through in-depth aircraft knowledge and experience, we can adjust existing designs, create unique interior spaces and enhance aircraft capabilities.

The Class E interior conversion is equipped for full-cargo shipments and harsh environments, featuring:

- Ruggedized interior
- Low power consumption, battery-driven LED lighting
- Thin, high-density wooden protection for floor panel
- Floor-mounted kick plates at cabin sidewalls
- Vertical nets for free-loading cargo

## CONFIGURATIONS

### Bulk-load Class E freighter

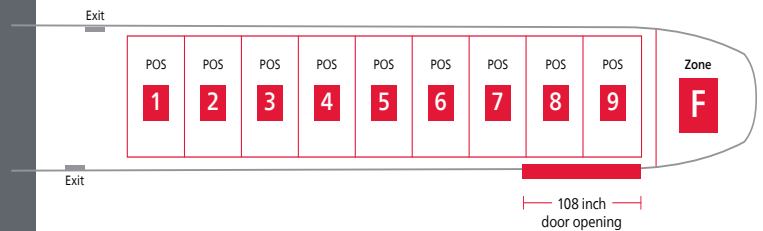
- 75 lb./ft.<sup>2</sup> floor loading capacity
- 1,865 ft.<sup>3</sup>/52.81 m<sup>3</sup> bulk load cargo volume
- Five vertical cargo nets with 2,600 lb. capacity (Zones A through E) and additional net with 1,000 lb. capacity (Zone F)
- Protective sacrificial flooring
- Floor reinforced from wall-to-wall to accommodate bulk-loaded freight

### Cargo loading system

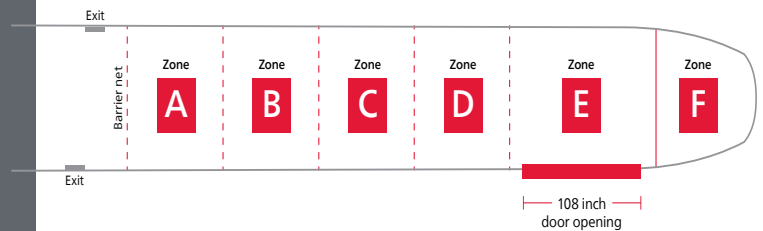
- 2400 lbs. pallet net payload
- Ancra system and equipment
- Pallets sized to fit through Collins Cargo Door
- Four 77 in. X 77 in. (Zone A thru D) pallets and One 72 in. x100 in. pallet (Zone E)



## PALLETIZED FREIGHTER



## BULK LOAD FREIGHTER



## Large cargo door

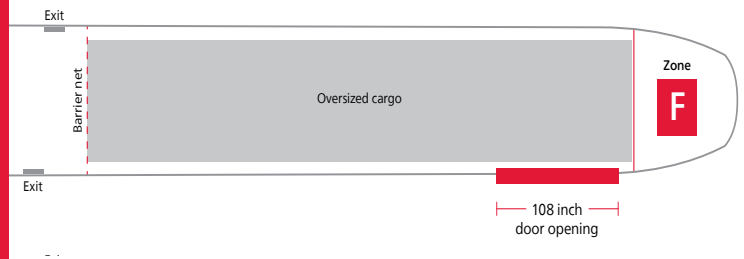
The Q300 large cargo door configuration will feature a large 110-by-73-inch cargo door on the left side of the plane, providing easy loading clear of the wings. The unique installation of the large cargo door configuration will allow for greater pre-assembly in a controlled production environment, reducing your aircraft downtime for installation to just four to six months.

### Ideal for oversized cargo

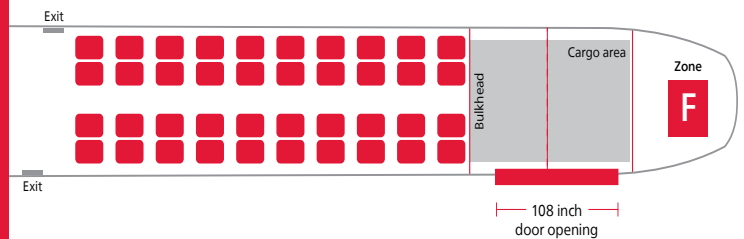
- Large cargo door with 108 in. x 68 in. clear opening
- Simple manual operation for use in remote areas
- Aft location facilitates optional combi-freighter configurations
- A design especially equipped for -54° C and 40 knot ground winds
- Ability to handle large shipments, such as:
  - ATVs
  - Generators
  - Mining equipment



### OVERSIZED CARGO



### COMBI-FREIGHTER

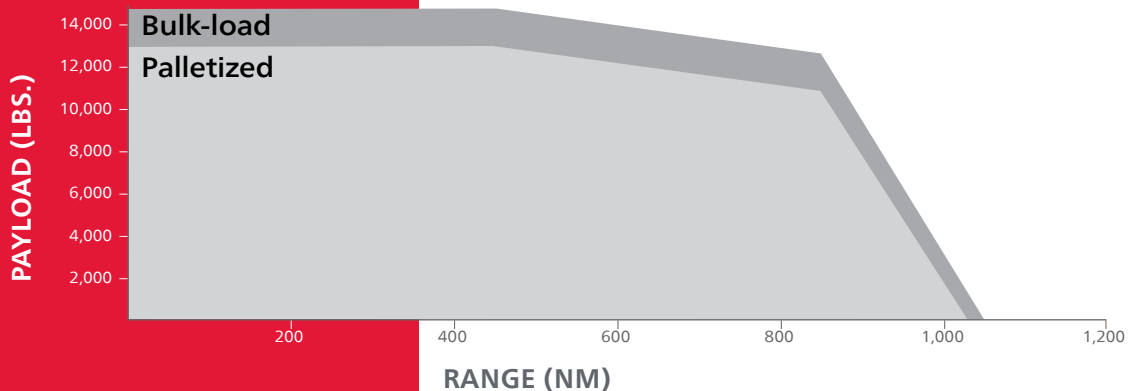


## Bulk-load Class E freighter

The combi-freighter is a future configuration option with the ability to perform combination routes of cargo and passengers. The combifreighter option will feature:

- Movable bulkhead for 19/40/48 passengers
- 3,000/5,000/9,000 pound cargo payload capacities
- Quick-change configuration

## DHC-8-300 freighter payload range



To learn more, go  
[collinsaerospace.com](https://collinsaerospace.com)



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