



Dash 8-100^{PF}
Package Freighter

Your Regional
Air Freight Solution

voyageur 
AVIATION

The Dash 8-100PF is a cost-efficient, reliable, and versatile freight aircraft.

General:

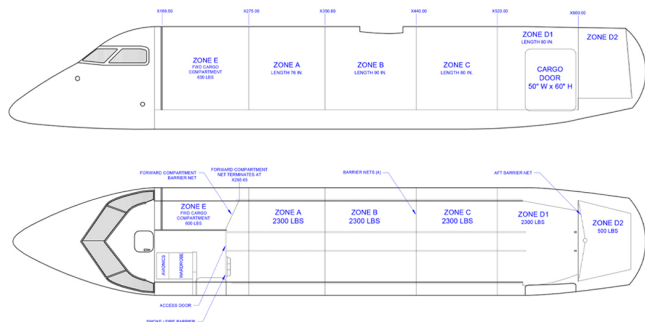
Engines.....	2 PW120A Turboprop
Cruise Speed.....	305 miles/h..... 491 km/h
Range.....	1,267 miles..... 2,039 km
Cruise Altitude.....	25,000 ft..... 7,620 m
Fuel Capacity.....	835 usg..... 3,161 L
Length of Aircraft.....	73 ft..... 22.3 m
Wing Span.....	85 ft..... 25.9 m
Height.....	24 ft 7 in..... 7.5 m

Airfield Performance ISA, SL, MTOW:

Take-off Distance.....	3,280 ft..... 1000 m
Landing Field Length.....	2,560 ft..... 780 m

Weights:

Maximum Takeoff.....	35,000 lb..... 15,876 kg
Maximum Landing.....	33,900 lb..... 15,377 kg
Maximum Zero Fuel.....	31,700 lb..... 14,379 kg
Operational Empty Weight (typical).....	21,500 lb..... 9,752 kg



Package Freight Specifications:

Cargo Door Opening.....	50 in x 60 in.....	1.2 m x 1.52 m
Payload (typical).....	10,300 lb.....	4,670 kg
Maximum Cargo Volume.....	1,380 cu.ft	39 cu.m
Range Fully Laden.....	920 miles.....	1,480 km
Cabin Height.....	77 in.....	1.96 m
Cabin Width.....	97 in.....	2.46 m
Floor Loading Weight.....	75 lb/sq.ft.....	34 kg/sq.ft

Additional Features:

- Class "E" cargo compartment compliant with Canadian, U.S. and European aviation safety requirements.
- Six loading zones separated by 9G netting system.
- Fire resistant liner, one-minute smoke detection system, and ventilation shut-off system.
- Battery powered interior LED lighting system.
- Short take-off and landing (STOL) capabilities and the ability to operate into unprepared (gravel) airstrips.
- Customizable cargo loading systems and increased floor capacity options.
- Supplemental restraint provisions for specialized cargo (e.g. bulk fuel transportation).

Block Time/Fuel:

		Min Block Time Technique	Min Block Fuel Technique	Min Cost Technique
100 Nautical Miles	Fuel LTR	363	315	351
	Fuel US GAL	96	83	93
	Time-Min.	31.7	40.5	32.0
200 Nautical Miles	Fuel LTR	654	523	590
	Fuel US GAL	173	138	156
	Time-Min.	54.8	68.7	55.4
300 Nautical Miles	Fuel LTR	871	722	800
	Fuel US GAL	230	191	211
	Time-Min.	78.0	94.7	79.5