

Envoy Convertible

SPECIFICATIONS & PERFORMANCE

CERTIFICATION BASIS

Regulations	JAR 25 / FAR PART 25
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SEATING

Crew & Passenger Capacity	2 + 14 - 18	
Cabin Volume	1,183 cu ft	33.5 cu m
Cabin Floor Area	203 sq ft	18.9 sq m
Cabin Baggage Volume	35 cu ft	1.0 cu m
Cargo Compartment Volume	226 cu ft	6.4 cu m
Cargo Compartment Capacity	1,653 lb	750 kg

POWERPLANTS

Manufacturer / Model	Pratt & Whitney Canada / PW 306B	
Takeoff Thrust	2x 6,050 lb	2x 26.9 kN

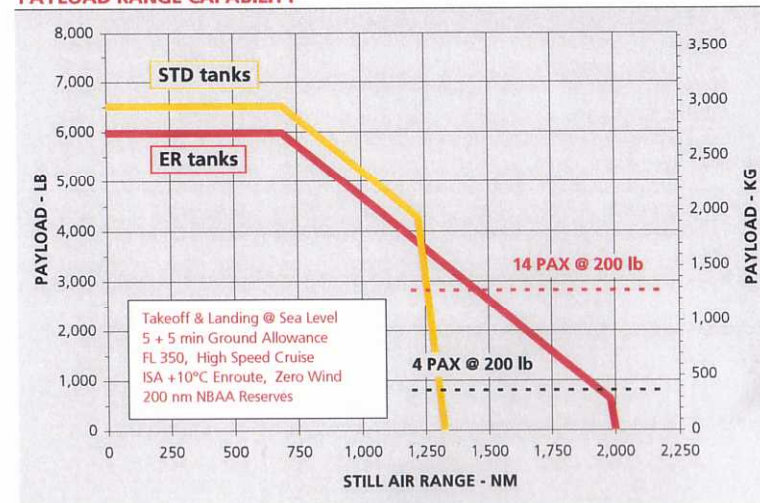
PRESSURIZATION

Differential Pressure	7.46 psi	514 mbar
Sea Level Cabin Altitude	18,350 ft	5,593 m
Max Operating Altitude	35,000 ft	10,668 m

BASIC WEIGHTS

Max Ramp Weight	34,789 lb	15,780 kg
Max Takeoff Weight	34,524 lb	15,660 kg
Max Landing Weight	31,725 lb	14,390 kg
Max Zero Fuel Weight	28,814 lb	13,070 kg
Operating Empty Weight (incl. crew)	22,306 lb	10,118 kg
Fuel Capacity - STD (fuel density 0.80 kg/l)	8,011 lb	3,634 kg
- OPT (fuel density 0.80 kg/l)	11,115 lb	5,042 kg
Max Useful Load	12,218 lb	5,542 kg
Max Payload	6,508 lb	2,952 kg

PAYLOAD RANGE CAPABILITY



PERFORMANCE (ISA, SEA LEVEL)

Power Loading - MTOW	2.85 lb/lb thrust	291 kg/kN
Wing Loading - MTOW	80.2 lb/sq.ft	391.5 kg/sq.m
Takeoff Field Length - MTOW	4,485 ft	1,367 m
Initial Rate of Climb - MTOW	3,690 ft/min	1,125 m/min
Time to Climb to 35,000 ft - 95% MTOW	22.7 min	
Service Ceiling Single Engine - 95% MTOW	24,700 ft	7,529 m
Max Cruise Speed	400 kts	460 mi/h / 740 km/h
Landing Field Length - MLW (1/0.6)	4,285 ft	1,306 m
Landing Distance - MLW, unfactored (Part 91)	2,571 ft	784 m

FLIGHT PERFORMANCE (ISA +10°C)

DISTANCE	FLIGHT LEVEL	BLOCK TIME	BLOCK FUEL		PAX LOAD	SPEED
			NM	KM		
200	350	0:49	1,410	640	8	HSC
400	350	1:20	2,261	1,026	8	HSC
600	350	1:52	3,119	1,415	8	HSC
800	350	2:24	3,985	1,808	8	HSC
1,000	350	2:56	4,860	2,204	8	HSC
1,200	350	3:28	5,747	2,607	8	HSC

WITH OPTIONAL EXTENDED RANGE FUEL

1,400	2,593	350	4:00	6,690	6,626	8	HSC
1,600	2,963	350	4:32	7,604	3,449	8	HSC

Block Data: No winds, 5 + 5 min. ground allowance, 3 min. maneuvering allowance, 200 nm NBAA reserves with 30 min. hold @ 5,000 ft, Passenger weight 200 lb each

BASIC CONFIGURATION

Corporate/Executive, alternatively: Special Mission
2 Pilots, 14 to 18 Passengers & Cargo
Operating Empty Weight is subject to equipment installed

INTERIOR

14 to 18 seats standard, other configurations available as required
Galley/Refreshment Center, Aft Lavatory, Wardrobes

AVIONICS (Honeywell PRIMUS 2000)

EFIS, EICAS, 5 CRT's (7 in x 8 in), Flight Management System
Dual Primus II Integrated Radio System, Dual Integrated Avionics Computer
Dual Altitude and Heading Reference System, Primus 660 Weather Radar
2 Mode S Transponder, Fault Recording
Traffic Alert and Collision Avoidance System (TCAS 2000)
Enhanced Ground Proximity Warning System (EGPWS) with Wind Shear Detection & Guidance
CAT II Approach, GPS with Non Precision Approach, 2nd Radar Altimeter

STANDARD EQUIPMENT

Air Turbine Starter, Allied-Signal GTCP 36-150 APU, Ground Spoiler
RVSM Compliance, FL 350, Jet Glow Paint

OPTIONAL EQUIPMENT

Extended Range Fuel System, Primus 880 Weather Radar, HF, 2nd FMS
