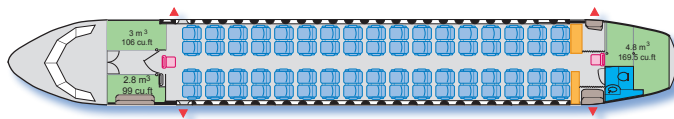


68 pax at 31" pitch



Attendant seat Galley Toilet Baggage Emergency exit

Standard configuration	68 seats
Engines Pratt & Whitney Canada	PW127E/M
Take-off power	2,475 SHP
Take-off power - One engine	2,750 SHP
Max continuous	2,500 SHP
Max climb	2,192 SHP
Max cruise	2,132 SHP
Propellers Hamilton Standard	568F
Blades, diameter	6, 3.93 m - 12.9 ft
Weights	
Max take-off weight (basic)	22,000 kg - 48,501 lb
Max take-off weight (option 1)	22,500 kg - 49,603 lb
Max take-off weight (option 2)	22,800 kg - 50,265 lb
Max landing weight (basic)	21,850 kg - 48,170 lb
Max landing weight (option)	22,350 kg - 49,272 lb
Max zero fuel weight (basic)	20,000 kg - 44,092 lb
Max zero fuel weight (option 1)	20,500 kg - 45,194 lb
Max zero fuel weight (option 2)	20,800 kg - 45,855 lb
Operational empty weight (Tech. Spec.)	12,950 kg - 28,549 lb
Operational empty weight (Typical in-service)	13,600 kg - 29,982 lb
Max payload (at typical in-service OEW)	7,200 kg - 15,873 lb
Max fuel load	5,000 kg - 11,023 lb
Airfield performance	
Take-off distance	
➤ Basic - MTOW - ISA - SL	1,224 m - 4,016 ft
➤ Option 1 - MTOW - ISA - SL	1,289 m - 4,229 ft
➤ Option 2 - MTOW - ISA - SL	1,333 m - 4,373 ft
➤ TOW for 300 Nm - Max pax - SL - ISA	1,163 m - 3,816 ft
➤ TOW for 300 Nm - Max pax - 3,000 ft - ISA +10	1,399 m - 4,590 ft
Take-off speed (V2 min @ MTOW)	115 KCAS
Landing field length (FAR25)	
➤ Basic MLW - SL	1,048 m - 3,438 ft
➤ Option MLW - SL	1,067 m - 3,501 ft
➤ LW (max pax + reserves) - SL	1,003 m - 3,291 ft
➤ Reference speed at landing	113 KIAS
En-route performance	
Optimum climb speed	170 KCAS
Rate of climb (ISA, SL, MTOW)	1,374 ft/min
Time to climb to FL1170	17.2 min
One engine net ceiling (95% MTOW, ISA +10)	10,000 ft
Max Cruise speed (95% MTOW - ISA - Optimum FL)	275 KTAS - 510 km/h
Fuel flow at cruise speed	762 kg/hr - 1,680 lb/h
Range with max pax	785 Nm
200 Nm Block Fuel	617 kg - 1,360 lb
200 Nm Block Time	55.0 min
300 Nm Block Fuel	858 kg - 1,892 lb
300 Nm Block Time	78.0 min