

DHC-6 TWIN OTTER

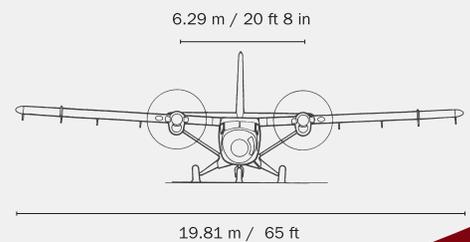
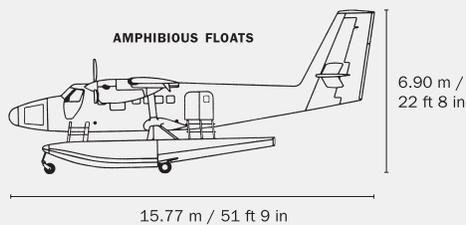
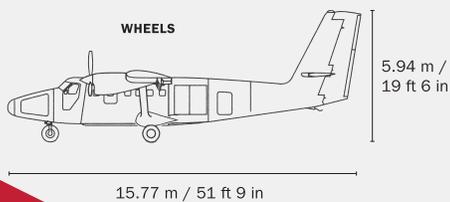
Guardian



DE HAVILLAND CANADA DHC-6 TWIN OTTER GUARDIAN aircraft is a dependable solution for 21st century special mission requirements. Building on the exceptional reliability of the legendary Twin Otter, the Guardian aircraft features multiple interior configurations and a flexible mission system architecture, allowing the aircraft to move quickly between surveillance, search and rescue, medivac, parajumping, personnel transportation, and more. Equipped with wheels, floats (straight or amphibious), skis, or intermediate flotation gear, the aircraft operates in the most diverse and extreme environments. With short take-off and landing performance, low-speed maneuverability, and low acquisition and operating costs, the Guardian aircraft is an invaluable asset to government and military.

Backed by De Havilland Canada's global support network, the Guardian aircraft stands ready to take on the most demanding missions.

EXTERNAL DIMENSIONS



DE HAVILLAND AIRCRAFT
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DHC-6 TWIN OTTER GUARDIAN SPECIFICATIONS

AIRCRAFT DIMENSIONS	Wingspan	19.81 m	65 ft
	Horizontal Tail Span	6.29 m	20 ft 8 in
	Aircraft Length	15.77 m	51 ft 9 in
	Aircraft Height	5.94 m	19 ft 6 in
CABIN DIMENSIONS	Cabin Length	5.61 m	18 ft 5 in
	Cabin Height	1.50 m	4 ft 11 in
	Cabin Width	1.75 m	5 ft 9 in
	Left Side Cabin Door	1.27 x 1.42 m	50 x 56 in
	Right Side Cabin Door	0.76 x 1.16 m	30 x 45.5 in
	Maximum Pax Seating	19	
	Minimum Flight Crew	1	
POWERPLANT	Engines	Pratt & Whitney PT6A-34	
	Flat-rated to (ISA + 27° C, Sea Level)	620 shp	
	Propellers, Hartzel - Three Bladed Reversible Pitch	HC-B3TN-3D	
DESIGN WEIGHTS & CAPACITIES	Maximum Takeoff Weight	6,350 kg	14,000 lb
	Maximum Landing Weight	6,123 kg	13,500 lb
	Typical Operational Weight Empty	3,621 kg	7,985 lb
	Useful Load	2,728 kg	6,015 lb
	Fuel Capacity	1,440 kg	3,176 lb
	Optional Fuel Capacity	1,618 kg	3,568 lb
PERFORMANCE	STOL Takeoff*	366 m**	1,200 ft**
	STOL Landing*	320 m**	1,050 ft**
	SFAR 23 Takeoff Field Length to 50 ft at MTOW	579 m	1,900 ft
	Takeoff Ground Roll - Wheels	310 m	1,020 ft
	SFAR 23 Landing Field Length from 50 ft at MLW	853 m	2,800 ft
	Landing Ground Roll - Wheels	563 m	1,846 ft
	Maximum Cruise Speed - ISA, 5,000 ft	162 KTAS	
	Maximum Cruise Speed - ISA, 10,000 ft	174 KTAS	
	Maximum Endurance Speed	100 KIAS	
	Payload for 100 nm range at Maximum Cruise Speed	2,368 kg	5,220 lb
	Payload for 250 nm range at Maximum Cruise Speed	2,194 kg	4,837 lb
	Maximum Range (Zero Payload) Standard Tanks	1,926 km	1,040 nm
	Maximum Range (Zero Payload) Long-Range Tanks	2,172 km	1,173 nm

NOTE: Payload and range data assumes fuel reserve for 45 minutes at cruise altitude and maximum endurance speed.

*Local regulatory approval required

**Based on MTOW of 12,500 lb. Contact DHC for detailed performance analysis.

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