

DHC-6 TWIN OTTER

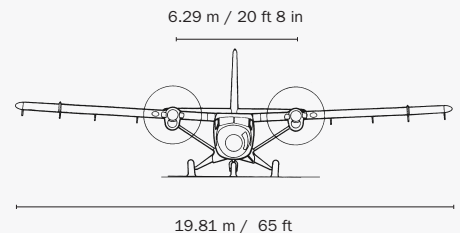
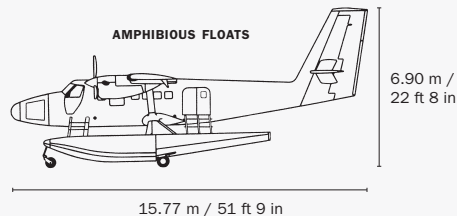
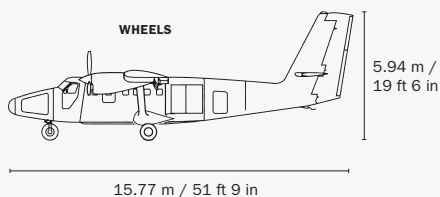
Guardian 400



THE DE HAVILLAND CANADA DHC-6 TWIN OTTER GUARDIAN 400 aircraft is a dependable solution for 21st century special mission requirements. Building on the exceptional reliability of the legendary Twin Otter, the Guardian 400 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 400 aircraft is an invaluable asset to government and military fleets.

Backed by De Havilland Canada's global support network, the Guardian 400 aircraft stands ready to take on the most demanding missions.

EXTERNAL DIMENSIONS



DHC-6 Twin Otter Guardian 400 Specifications

AIRCRAFT DIMENSIONS	WHEELS		AMPHIBIOUS FLOATS	
	Wingspan	19.81 m	65 ft	19.81 m
Horizontal Tail Span	6.29 m	20 ft 8 in	6.29 m	20 ft 8 in
Aircraft Length	15.77 m	51 ft 9 in	15.77 m	51 ft 9 in
Aircraft Height	5.94 m	19 ft 6 in	6.90 m	22 ft 8 in

CABIN DIMENSIONS	Cabin Length	5.61 m	18 ft 5 in	5.61 m	18 ft 5 in
	Cabin Height	1.50 m	4 ft 11 in	1.50 m	4 ft 11 in
	Cabin Width	1.75 m	5 ft 9 in	1.75 m	5 ft 9 in
	Left Side Cabin Door	1.27 x 1.42 m	50 x 56 in	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	0.76 x 1.16 m	30 x 45.5 in
	Maximum Pax Seating	19		19	
	Minimum Flight Crew	1		1	

POWERPLANT	Engines	Pratt & Whitney PT6A-34	Pratt & Whitney PT6A-34
	Flat-rated to (ISA + 27 °C, Sea Level)	620 shp	620 shp
	Propellers, Hartzel - Three Bladed Reversible Pitch	HC-B3TN-3D	HC-B3TN-3DY

DESIGN WEIGHTS & CAPACITIES	Maximum Takeoff Weight	6,350 kg	14,000 lb	6,169 kg	13,600 lb
	Maximum Landing Weight	6,350 kg	14,000 lb	6,169 kg	13,600 lb
	Typical Operational Weight Empty	3,621 kg	7,985 lb	4,329 kg	9,545 lb
	Useful Load	2,728 kg	6,015 lb	1,839 kg	4,055 lb
	Fuel Capacity	1,440 kg	3,176 lb	1,440 kg	3,176 lb
	Optional Fuel Capacity	1,618 kg	3,568 lb	1,618 kg	3,568 lb

PERFORMANCE	STOL Takeoff*	366 m**	1,200 ft**	N/A	
	STOL Landing*	320 m**	1,050 ft**	N/A	
	Maximum Cruise Speed - ISA, Sea Level	150 KTAS		150 KTAS	
	Maximum Cruise Speed - ISA, 5,000 ft	162 KTAS		161 KTAS	
	Maximum Cruise Speed - ISA, 10,000 ft	174 KTAS		162 KTAS	
	SFAR 23 Takeoff Field Length to 50 ft at MTOW	579 m	1,900 ft	1,965 ft** (water)	1,843 ft** (runway)
	Takeoff Ground Roll - Wheels	310 m	1,020 ft	N/A	
	SFAR 23 Landing Field Length from 50 ft at MLW	853 m	2,800 ft	1,851 ft** (water)	1,450 ft** (runway)
	Landing Ground Roll - Wheels	563 m	1,846 ft	N/A	
	Maximum Endurance Speed	100 KIAS		100 KIAS	
	Payload for 100 nm range at Maximum Cruise Speed	2,411 kg	5,315 lb	1,541 kg	3,398 lb
	Payload for 250 nm range at Maximum Cruise Speed	1,921 kg	4,235 lb	1,228 kg	2,707 lb
	Maximum Range (Zero Payload) Standard Tanks	1,713 km	925 nm	1,542 km	833 nm
	Maximum Range (Zero Payload) Long-Range Tanks	2,100 km	1,134 nm	1,728 km	933 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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