

DHC-6 TWIN OTTER GUARDIAN

MISSION CAPABILITIES

- POLICE TRANSPORT, AIR SUPPORT, AND SURVEILLANCE
- MARITIME PATROL AND BORDER PROTECTION
- MEDEVAC AND ERT DEPLOYMENT
- HIGH ARCTIC AND REMOTE TRANSPORT
- DRUG INTERCEPTION
- AMPHIBIOUS AND SKI OPERATIONS
- SHORT TAKE-OFF AND LANDING PERFORMANCE (STOL)
- MISSION-READY CONFIGURATION

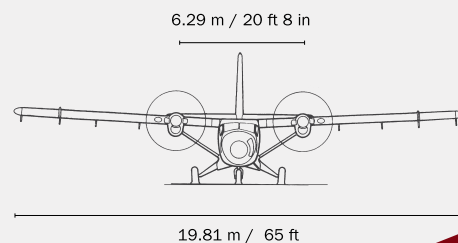
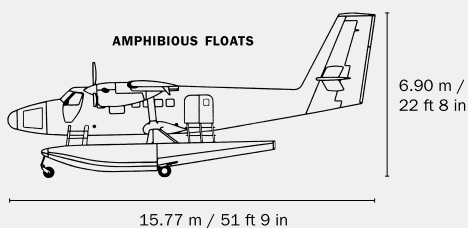
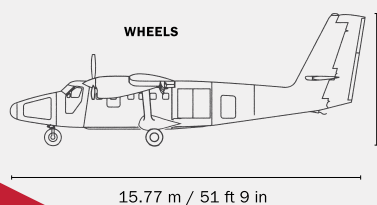


THE DE HAVILLAND CANADA DHC-6 TWIN OTTER GUARDIAN

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, medevac, 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
DEFENCE

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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 m x 1.42 m	50 in x 56 in
	Right Side Cabin Door	0.76 m x 1.16 m	30 in 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	6,350 kg	14,000 lb
	Basic Empty Weight	3,245 kg	7,155 lb
	Useful Load	2,923 kg	6,445 lb
	Fuel Capacity	1,440 kg	3,176 lb
	Payload with Full Fuel	1,486 kg	3,277 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	2,451kg	5,404 lb
	Payload for 250 nm range at Maximum Cruise Speed	2,217 kg	4,889 lb
	Maximum Range with Zero Payload	1,917 km	1,035 nm
	Maximum Range with 3,000 lb Payload	1,728 km	933 nm

NOTE: Payload and range data assumes fuel reserve for 30-minute hold at 1,500 ft.

*Basic Empty Weight is based on a no-seat Twin Otter Guardian configuration.

**Local regulatory approval required. Based on MTOW of 12,500 lb.

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