

TWIN OTTER

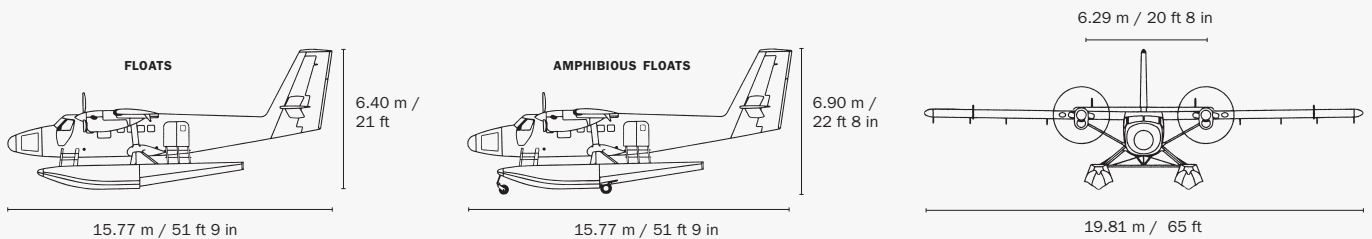
Series 400 – Floats



THE DE HAVILLAND CANADA TWIN OTTER is a twin turboprop utility aircraft that has built its reputation as a safe and dependable workhorse throughout its 50-year history. The Twin Otter Series 400, the latest generation of this iconic aircraft, marries a modern Honeywell Apex avionics suite with a rugged airframe that has proven its reliability through decades of operation on all types of terrain. When mounted on amphibious floats, Twin Otter Series 400 aircraft move seamlessly between paved surfaces and water-landing areas, shuttling passengers and cargo between coastal communities and remote island destinations. Whether in its commercial airline layout or configured for VIP transportation, medivac, or special missions, the Twin Otter Series 400 has flexible interior options to meet a wide variety of operational needs.

Backed by De Havilland Canada's global support network, Twin Otter Series 400 equipped with amphibious floats are the most stable and robust aircraft to meet the demanding needs of seaplane operators.

EXTERNAL DIMENSIONS



DE HAVILLAND AIRCRAFT
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Aircraft Dimensions & Performance

	FLOATS		AMPHIBIOUS FLOATS		
AIRCRAFT DIMENSIONS	Wingspan	19.81 m	65 ft	19.81 m	65 ft
	Horizontal Stabilizer 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	6.40 m	21 ft	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 in	0.76 x 1.16 m	30 x 45 in
	Maximum Pax Seating	19		19	
	Minimum Flight Crew	1		1	
POWERPLANT	Engines	Pratt & Whitney PT6A-34		Pratt & Whitney PT6A-34	
	Normal Takeoff Power	50 psi		50 psi	
	Maximum Takeoff Power	50 psi		50 psi	
	Maximum Cruise Power	50 psi		50 psi	
	Flat-rated to (outside air temperature, sea level (SL))	620 shp		620 shp	
	Propellers, Hartzel - Three Bladed Pitch	HC-B3TN-3DY		HC-B3TN-3DY	
DESIGN WEIGHTS & CAPACITIES	Maximum Takeoff Weight	5,670 kg	12,500 lbs	5,670 kg	12,500 lbs
	Maximum Landing Weight	5,579 kg	12,300 lbs	5,670 kg	12,500 lbs
	Typical Operational Weight Empty	3,957 kg	8,725 lbs	4,266 kg	9,405 lbs
	Useful Load	2,111 kg	4,655 lbs	1,403 kg	3,095 lbs
	Standard Fuel Capacity	1,182 kg	2,576 lbs	1,182 kg	2,576 lbs
	Optional Extended Fuel Capacity	1,440 kg	3,176 lbs	1,440 kg	3,176 lbs
	Optional Ultra Long Range Fuel Capacity	N/A		N/A	
PERFORMANCE	STOL Takeoff*	N/A		N/A	
	STOL Landing	N/A		N/A	
	Maximum Cruise Speed - Sea Level	160 TAS		160 TAS	
	Maximum Cruise Speed - 5,000 ft	167 TAS		167 TAS	
	Maximum Cruise Speed - 10,000 ft	174 TAS		174 TAS	
	SFAR 23 Takeoff Field Length to 50 ft at MTOW	599 m	1,965 ft	1,965 ft (water)	1,843 ft (runway)
	Takeoff Ground Roll - Wheels	N/A		N/A	
	SFAR 23 Landing Field Length from 50 ft at MLW	564 m	1,851 ft	1,851 ft (water)	1,450 ft (runway)
	Landing Ground Roll - Wheels	N/A		N/A	
	Loiter / Maximum Endurance Speed	100 IAS		100 IAS	
	Maximum Endurance Cruise Fuel Burn (10,000 ft)	400 lbs/hr		400 lbs/hr	
	Loiter Speed Fuel Burn (5,000 ft)	450 lbs/hr		450 lbs/hr	
	Max Cruise Speed Fuel Burn (10,000 ft)	600 lbs/hr		600 lbs/hr	
	Fuel Burn at Economy Cruise (10,000 ft)	500 lbs/hr		500 lbs/hr	
	Payload Range at Maximum Cruise Speed 100 nm (185 km range with 45 minute reserve fuel @ max endurance speed)	1,374 kg	3,075 lbs	1,134 kg	2,500 lbs
	Payload Range at Maximum Cruise Speed 250 nm/463 km range	1,117 kg	2,463 lbs	903 kg	1,992 lbs
	Maximum Range (Zero Payload) Standard Tanks	1,272 km	687 nm	1,272 km	687 nm
	Maximum Range (Zero Payload) Long-Range Tanks	1,542 km	833 nm	1,542 km	833 nm

*Local regulatory approval required

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