

Astro Aero A200C Specifications

Specifications are correct at time of writing, subject to change without notice.

The A200C is a two-occupant single engine turboprop cargo aircraft with a high wing, tricycle undercarriage and conventional rear mounted empennage. The aircraft can carry up to 5,500 lbs of cargo in Unit Load Devices or on pallets in a single main cargo compartment accessed via a rear loading ramp. Other pertinent details include:

Number of Seats	2		
Minimum Crew	Single pilot in the LH crew station		
Types of Operation	Day and Night VFR, IFR Flight into Known Icing		
Engine	1 x Pratt and Whitney Canada PT6A-67T		
Propeller	Hartzell 5-blade composite (Alloy hub, hydraulic, constant speed, feathering, reversing)		
Fuel	JET A, JET A-1, JET B, JP-4, JP-5, JP-8 2,400 L / 4,233 lbs (min) useable in 2 integral wing tanks Single Point (Pressure) Fuelling System		
Tyre Pressures	Mains: 48psi, Nose: 52psi		
Overall Dimensions	Wing span	66.7 ft	(20.3 m)
	Fin Height	20.4 ft	(6.2 m), static gear compression
	Length	50.2 ft	(15.3 m)
	Wheelbase	16.1 ft	(4.9 m)
	Main gear track	12.2 ft	(3.7m)
Weight	MTOW 14,500 lb		
Cargo	Maximum individual position mass:	3,750 lb at either station	
	Maximum combined cargo mass:	5,500 lb	
Cargo Compartment	Cargo Floor Length	≈ 156 in	(3.96m)
	Width	≈ 65 in	(1.65 m)
	Max. Height	≈ 74 in	(1.88 m)
	Volume	≈ 430 ft ³	(12.2 m ³)
	Door Aperture Width	≈ 65 in	(1.65 m)
	Door Aperture Height	≈ 71 in	(1.80 m)
	Roller Plane Height	≈ 46.6 in	(1.20m), static gear compression

Projected Performance

V _H (FL100)	High Speed Cruise at 10,000 ft	≈ 167 KTAS
V _{LRC} (FL100)	Long Range Cruise at 10,000 ft	≈ 149 KTAS
V _H (FL200)	High Speed Cruise at 20,000 ft	≈ 164 KTAS
V _{LRC} (FL200)	Long Range Cruise at 20,000 ft	≈ 161 KTAS

MSL Standard Conditions, Nil Wind, Level Dry Hard Surface		
Take-off Ground Roll		<1,500 ft
Take-off Total Distance over 50ft obstacle		<2,650 ft
Landing Ground Roll		<1,000 ft
Landing Total Distance over 50ft obstacle		<1,800 ft

Maximum Operating Altitude	25,000 ft	(with Supplemental Breathing Oxygen)
Maximum Operating OAT	50°C @ MSL	(Temperature related performance limits apply)

