

# Commander Jetprop Specifications

## COMMANDER SPECIFICATIONS AND PERFORMANCE FULL GROSS WEIGHT, UNLESS OTHERWISE NOTED STANDARD DAY CONDITIONS

	COMMANDER 1000	COMMANDER 900	COMMANDER 840	COMMANDER 980
Wing Span	52.12 ft	52.12 ft	52.12 ft	52.12 ft
Length	42.98 ft	42.98 ft	42.98 ft	42.98 ft
Height	14.95 ft	14.95 ft	14.95 ft	14.95 ft
Total Cabin and Baggage Volume	324 cu ft	324 cu ft	294 cu ft	294 cu ft
Cabin Volume Exc. Baggage Compartment	278 cu ft	278 cu ft	224 cu ft	224 cu ft
Baggage Compartment Volume/ Load Limit	46 cu ft/600 lbs	46 cu ft/600 lbs	70 cu ft/600 lbs	70 cu ft/600 lbs
Maximum Cabin Pressure Differential	6.7 psi	6.7 psi	5.2 psi	5.2 psi
Maximum Ramp Weight	11,250 lbs	10,775 lbs	10,375 lbs	10,375 lbs
Maximum Takeoff Weight (full gross weight)	11,200 lbs	10,700 lbs	10,325 lbs	10,325 lbs
Maximum Landing Weight	10,550 lbs	10,550 lbs	9,675 lbs	9,675 lbs
Standard Empty Weight, Aircraft with Residual Fluids	7,289 lbs	7,079 lbs	6,702 lbs	6,801 lbs
Useful Load	3,961 lbs	3,696 lbs	3,673 lbs	3,574 lbs
Usable Fuel Capacity (standard) (optional)	474 gal	425 gal 474 gal	425 gal 474 gal	474 gal
Engines	(2) AiResearch TPE 331-10-501K (820 SHP)	(2) AiResearch TPE 331-5-254K (748.3 SHP)	(2) AiResearch TPE 331-5-254K (717.5 SHP)	(2) AiResearch TPE 331-10-501K (733 SHP)
Propellers	(2) Dowty-Rotol, 3-bladed, full feathering and reversible	(2) Dowty-Rotol, 3-bladed, full feathering and reversible	(2) Dowty-Rotol, 3-bladed, full feathering and reversible	(2) Dowty-Rotol, 3-bladed, full feathering and reversible
Maximum Cruise (TAS at MCP, average cruise weight)	354 mph/308 kts at 22,000 ft	333 mph/289 kts at 10,000 ft	334 mph/290 kts at 12,000 ft	355 mph/309 kts at 22,000 ft
Normal Cruise (TAS at 18,000 ft/5,486 m MC <sub>P</sub> , average cruise weight)	348 mph/302 kts	327 mph/284 kts	330 mph/287 kts	348 mph/303 kts
Minimum Control Speed (IAS)	107 mph/93 kts	104 mph/90 kts	107 mph/93 kts	107 mph/93 kts
Stall Speed, Clean (CAS)	93 mph/81 kts	91 mph/79 kts	89 mph/77 kts	89 mph/77 kts
Stall Speed, Gear and Flaps Down (CAS)	89 mph/77 kts	89 mph/77 kts	86 mph/75 kts	86 mph/75 kts
Long-Range Cruise Range (TAS at LRCP with 45-minute reserve (full standard fuel) (full optional fuel)	295 mph/256 kts at 35,000 ft 2,394 sm/2,080 nm	288 mph/251 kts at 31,000 ft 1,980 sm/1,721 nm std 2,262 sm/1,966 nm opt	285 mph/248 kts at 31,000 ft 2,047 sm/1,780 nm 2,346 sm/2,040 nm	287 mph/249 kts at 31,000 ft 2,346 sm/2,040 nm
High-Speed Cruise Range (TAS at 31,000 ft/ 9,449 m MC <sub>P</sub> ) with 45-minute reserve (full standard fuel) (full optional fuel)	At 334 mph/290 kts 2,098 sm/1,823 nm	At 305 mph/265 kts 1,940 sm/1,686 nm std 2,215 sm/1,925 nm opt	At 307 mph/267 kts 1,985 sm/1,726 nm 2,272 sm/1,976 nm	At 339 mph/295 kts 2,139 sm/1,860 nm
Twin-Engine Initial Rate of Climb	2,802 fpm	2,779 fpm	2,824 fpm	2,777 fpm
Single-Engine Initial Rate of Climb	929 fpm	924 fpm	1,003 fpm	982 fpm
Twin-Engine Service Ceiling	35,000 ft	32,245 ft	34,050 ft	37,369 ft
Single-Engine Service Ceiling	21,000 ft	18,140 ft	21,000 ft	24,850 ft
Time to Climb to 20,000 ft/6,096 m	8.8 min	10.2 min	9.5 min	8.0 min
Takeoff Distance Over 50 ft/15.2 m Obstacle	2,131 ft	1,937 ft	1,833 ft	1,854 ft
Takeoff Distance Ground Roll	1,407 ft	1,387 ft	1,285 ft	1,299 ft
Landing Distance from 50 ft/15.2 m Obstacle	2,670 ft	2,698 ft	2,332 ft	2,310 ft
Landing Distance Ground Roll with Reverse at Typical Landing Weight	1,395 ft	1,411 ft	1,240 ft	1,277 ft

All illustrations and specifications contained herein are based on the latest product information available at the time of publication approval. Some photos show optional equipment. Gulfstream Aerospace reserves the right to make changes at any time in materials, equipment, performance, colors, models and prices.



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