1. Givens: A/C @ 16,000 Ft V = 252 At/s 1A max = 319 lb Drag = 93 lb W 0 = 3737/6 max R/C that it could sustain @ this speed? $R/C = V \cdot (T - D)$ Using given conditions: R/c = 252 ft/s·(31916-9316) 3737 lb = 15.2 ft = 914.4 ft min



