

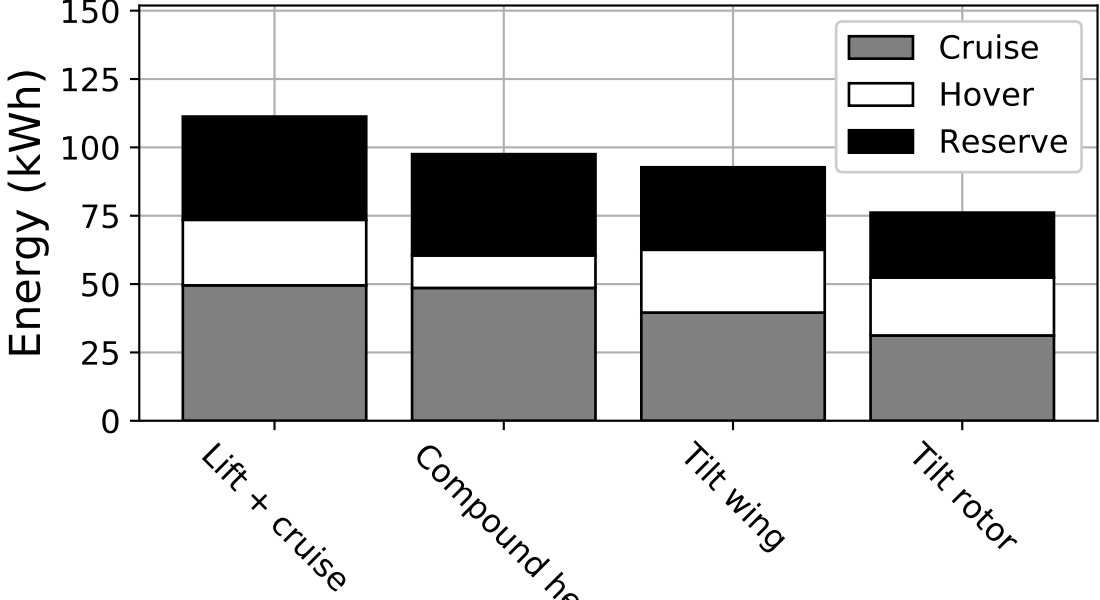
Aircraft parameters: battery energy density = 400 Wh/kg; 5 rotor blades; autonomy enabled

Sizing mission (piloted): range = 50 nm; 3 passengers; 120s hover time; reserve type = FAA helicopter VFR (20-minute loiter time)

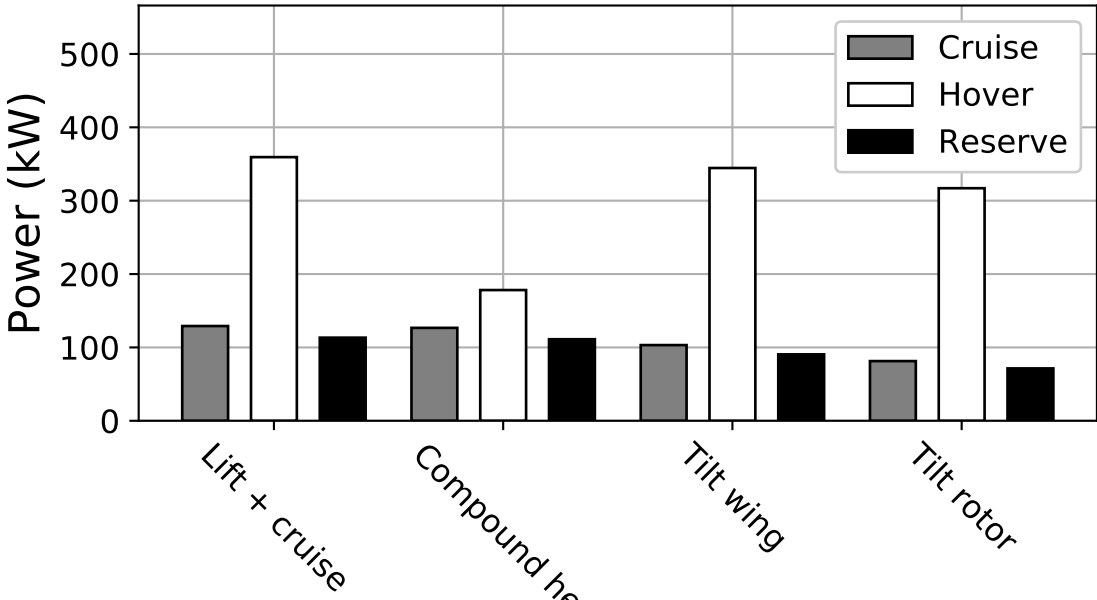
Revenue mission (piloted): range = 30 nm; 2.0 passengers; 30s hover time; no reserve; charger power = 200 kW

Deadhead mission (autonomous): range = 30 nm; 0.0 passengers; 30s hover time; no reserve; deadhead ratio = 0.2

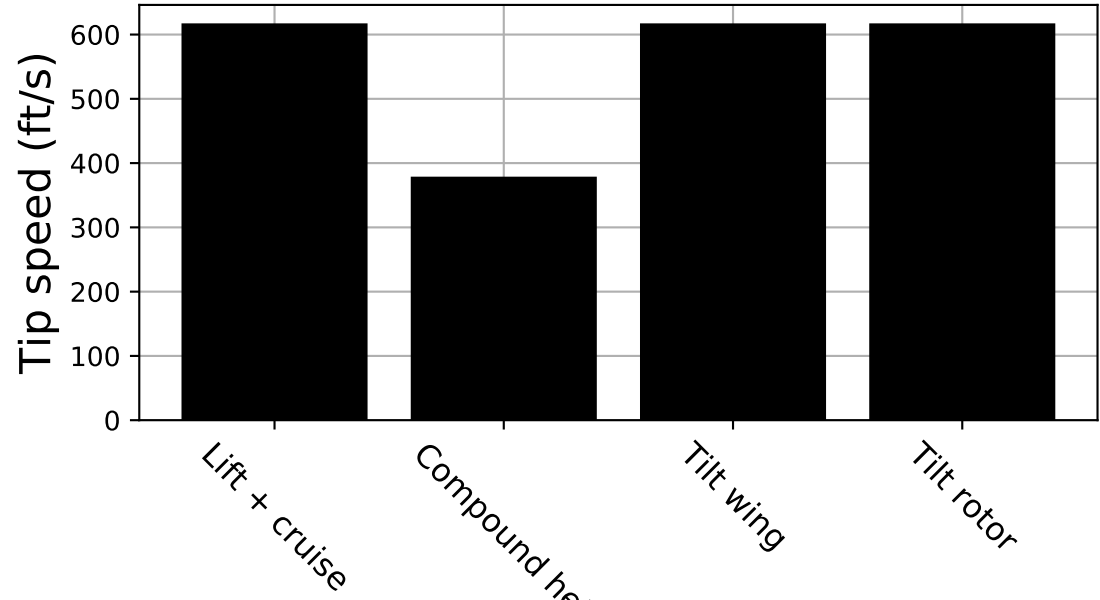
Energy Use



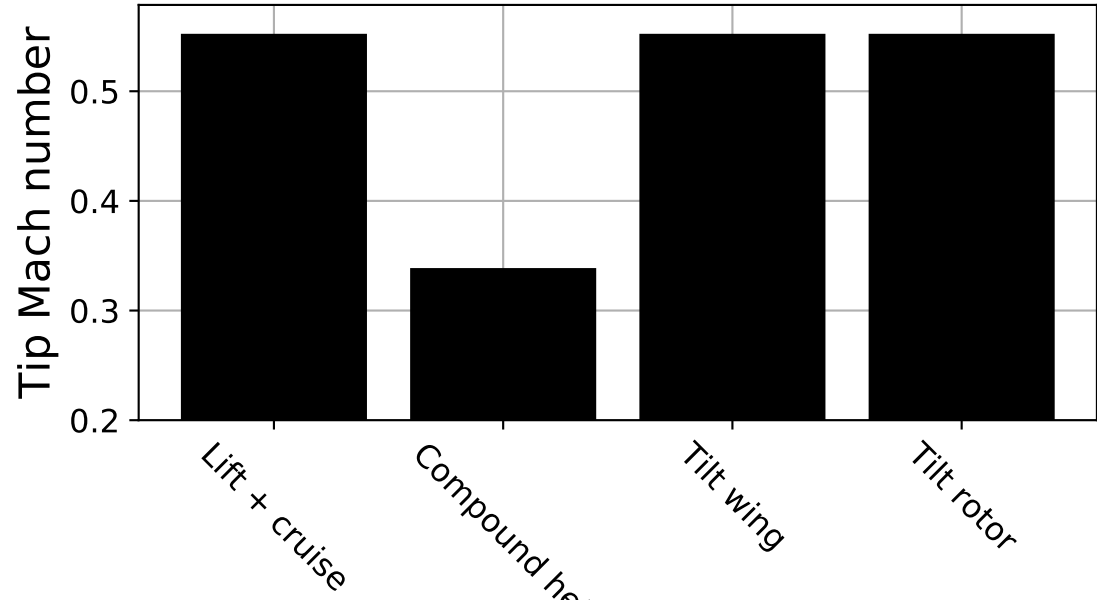
Power Consumption



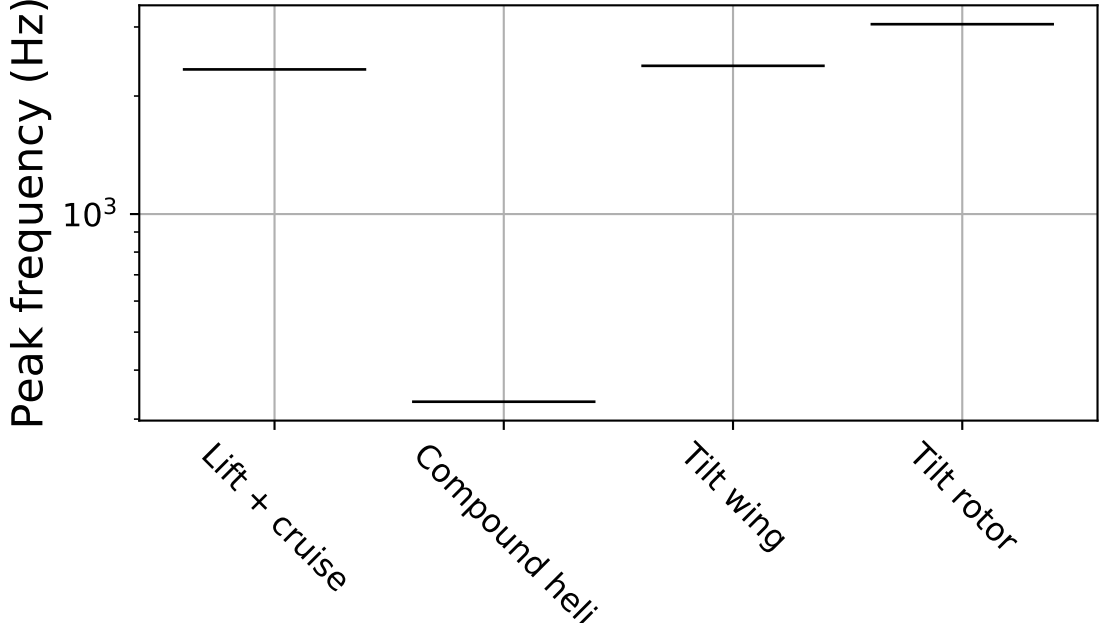
Rotor Tip Speed



Rotor Tip Mach Number



Vortex-Noise Peak Frequency



Rotor Figure of Merit

