

Table 3.4 Propeller specific fuel consumption, C_{bhp}

Propeller: $C = C_{power} V / \eta_p = C_{bhp} V / (550 \eta_p)$

Typical C_{bhp} : lb/hr/bhp {mg/W-s}

Cruise

Loiter

Piston-prop (fixed pitch)

0.4 {0.068}

0.5 {0.085}

Piston-prop (variable pitch)

0.4 {0.068}

0.5 {0.085}

Turboprop

0.5 {0.085}

0.6 {0.101}