→ for cruise cond I Power equited = DV = = 28v25 [cas + KC23.V Peeq. = = = & SSCDOUS + ZKWZ . I for (CL= ZW BVS) = (0.1708) gv3 + 0.63 w2 · Consider WMC = mid cruise weight. WMC = WZ - (WZ-W3) WMC = (+ W3) 1 W2 = (+ W3) 2 (shall that = (40,90) = W3 = 0.9 = 0.95 W2 - W1 . W2 Geom Pew. =(0.97)(0.98)=0.9506.:. WMC = (0.95) W2 = (0.95) (0.950 gwo WMC = (0.903) WO = . WMC = 1323.44 kg Preg 9 10km, V=60m/s Peoq = (0.1708) (0.4135) (60) + 0.63 (1823-44) (0.4135) (60) = 95.15 RP.

Per = (Eoc.w) + Pag. or ofe

Par = Peng. Brom.

→ for EoC = 10 m/s at h=0 j.V=60 m/s.

Per = (10)(1465.5)(9.8) + Per (9 0 h=0,60 m/s)

Per = 308.80 fp. Per from = 277.88 hp.

Per sergine

Per from english

for for = 8 m/3 at h= 1 cm, v=60 m/8.

Peop = (8)(1463.5)(4.8) + Peop (8) h=12m,60m/s)

= 264.74 RP. 236.28 RP.

for 200= 5m/s at h= 2km, v=60 m/s.

Pea = (5)(1465.5)(9.8) + Pea (9 h=2km/60m/8) = 176.14 68.

for eoc = 3 m/s at h = 3 km, v = 60 m/s.

Peq. from engine = (3) (1465.5) (1.8) + Peop (0 h = 3 km, 60 m/s)

= 136.01 km.